



# INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

*We Protect Hoosiers and Our Environment.*

*Mitchell E. Daniels Jr.*  
Governor

*Thomas W. Easterly*  
Commissioner

April 7, 2009

## Northwest Regional Office

8380 Louisiana Street  
Merrillville, Indiana 46410  
(219) 757-0265  
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Fax (219) 757-0267  
[www.idem.IN.gov](http://www.idem.IN.gov)

VIA CERTIFIED MAIL 7002 0510 0002 5825 2892

Mr. Robert H. Lange  
U. S. Steel, Gary Works  
1 North Broadway  
Gary, IN 46402

RE: Referral to USEPA, Region 5  
U.S. Steel, Gary Works  
Plant ID Number: 089-00121  
Gary, Lake County

Dear Mr. Lange:

The Third (3rd) Quarter 2008 Reports (July 1, 2008 through September 30, 2008) submitted by you on October 17, 2008, identified the following deviations:

- (1) Permit Condition D.2.4(e)(1): On July 02, 2008 the allowable visible emissions for coke oven offtake leaks (5%) was exceeded (6.7%) during compliance monitoring on No.2 Coke Battery.
- (2) Permit Condition D.2.4(a) and D.2.5(e): On July 16, 2008 the allowable visible emissions for coke oven door (10%) was exceeded (12.7%) during compliance monitoring on No.7 Coke Battery.
- (3) Permit Condition D.2.26 On July 25, 2008 You must be in compliance with the emissions limitations, work practice standards, and operation and maintenance requirements in this subpart at all times, except during periods of startup, shutdown and malfunction as defined by 63.2.
- (4) Permit Condition D.2.4(c)(2): On August 12, 2008 the allowable visible emissions for coke oven pushes (20% opacity) was exceeded (32.5% ) during compliance monitoring on No. 2 Coke Battery.
- (5) Permit Condition D.2.4(e)(1): On August 27, 2008 the allowable visible emissions for coke oven offtake leaks (5%) was exceeded (7.3%) during compliance monitoring on No.2 Coke Battery.
- (6) Permit Condition D.2.4(e)(1): On September 02, 2008 the allowable visible emissions for coke oven offtake leaks (5%) was exceeded (6.8%) during compliance monitoring on No.2 Coke Battery.
- (7) Permit Condition D.2.4(e)(1): On September 04, 2008 the allowable visible emissions for coke oven offtake leaks (5%) was exceeded (5.6%) during compliance monitoring on No.2 Coke Battery.

Mr. Robert H. Lange  
U. S. Steel, Gary Works

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- (8) Permit Condition D.2.4(e)(1): On September 05, 2008 the allowable visible emissions for coke oven offtake leaks (5%) was exceeded (5.6%) during compliance monitoring on No.2 Coke Battery.

The Fourth (4th) Quarter 2008 Reports (October 1, 2008 through December 31, 2008) submitted by you on January 22, 2009, identified the following deviations:

1. Permit Condition D.2.4(a) and D.2.5(e): On December 20, 2008 the allowable visible emissions for coke oven door (10%) was exceeded (12.0%) during compliance monitoring on No.5 Coke Battery.

This matter has been referred to USEPA, Region 5 for appropriate action. If formal action is initiated, you will be issued a notice of violation informing you of how to proceed in resolving this matter. Please direct any response to this letter and any questions to Dave Sampias at 219/757-0291.

Sincerely,



J. Robert Simmons  
Deputy Director  
Northwest Regional Office

JRS/dcs  
ACES No. 99092  
cc: Office of Air Quality Enforcement Section  
File

### III. CASE INFORMATION

A.	Date of Inspection(s) or Review(s) Prompting This Referral: 2008 3rd <sup>1</sup> and 4th Quarter Reports	Planned Follow-up Date(s): N/A
B.	Referral is the Result of a Multi-Media Inspection: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
C.	Inspector or Program Contact Person (If different from person making this referral):	
D.	Impacted Area: Ambient Air	
E.	Violation Classification (If applicable) <input type="checkbox"/> R.E.R. <input type="checkbox"/> SNC/HPV <input type="checkbox"/> Complaint <input checked="" type="checkbox"/> Non-Attainment Area	

F.	<b>Specific Violations</b> (Does not need to be completed for Hazardous Waste cases):		
	<u>DATE OF VIOLATION</u>	<u>STATE / FEDERAL – IC, IAC, PERMIT CONDITION VIOLATED</u>	<u>VIOLATION DESCRIPTION</u>
	July 02, 2008	Permit Condition D.2.4(e)(1): the allowable visible emissions for coke oven offtake piping (5%) was exceeded (6.7%) No. 2 Coke Battery.	No visible emissions shall be permitted from more than five percent (5%) of observed battery offtakes
	July 16, 2008	Permit Condition D.2.4(a), D.2.5(e): the allowable visible emissions for coke oven door (10%) was exceeded (12.7%) No. 7 Coke Battery.	No visible emissions shall be permitted from more than ten percent (10%) of observed battery doors.
	July 25, 2008	Permit Condition D.2.26 National Emission Standards for Hazardous Air Pollutants (NESHAP) for Coke Ovens; Pushing, Quenching and Battery Stacks 40 CFR 63, Subpart CCCCC	You must be in compliance with the emission limitations, work practice standards, and operation and maintenance requirements in this subpart at all times, except during periods of startup, shutdown, and malfunction as defined by 63.2
	August 12, 2008	Permit Condition D.2.4 ( c ) (2) the allowable visible emissions for coke oven pushes (20% opacity) was exceeded (32.5%) during compliance monitoring on No. 2 Coke Battery.	Emissions during the pushing operation shall not exceed twenty percent (20%) opacity. Six (6) consecutive readings shall be averaged to determine opacity.
	August 27, 2008	Permit Condition D.2.4(e)(1): the allowable visible emissions for coke oven offtake piping (5%) was exceeded (7.3%) No. 2 Coke Battery.	No visible emissions shall be permitted from more than five percent (5%) of observed battery offtakes
	September 02, 2008	Permit Condition D.2.4(e)(1): the allowable visible emissions for coke oven offtake piping (5%) was exceeded (6.8%) No. 2 Coke Battery.	No visible emissions shall be permitted from more than five percent (5%) of observed battery offtakes
	September 04, 2008	Permit Condition D.2.4(e)(1): the allowable visible emissions for coke oven offtake piping (5%) was exceeded (5.6%) No. 2 Coke Battery.	No visible emissions shall be permitted from more than five percent (5%) of observed battery offtakes
	September 05, 2008	Permit Condition D.2.4(e)(1): the allowable visible emissions for coke oven offtake piping (5%) was exceeded (5.6%) No. 2 Coke Battery.	No visible emissions shall be permitted from more than five percent (5%) of observed battery offtakes.
	December 20, 2008	Permit Condition D.2.4(a), D.2.5(e): the allowable visible emissions for coke oven door (10%) was exceeded (12.7%) No. 7 Coke Battery.	No visible emissions shall be permitted from more than ten percent (10%) of observed battery doors.
G.	Describe the events, routine inspections, etc., that led up to or supported the discovery of the violation(s):  Method 303 inspections as well as a review of the 3rd and 4th Quarter Reports.		

US Steel-Gary Works  
 Gary, Indiana  
 Permit Reviewer: Gail McGarrity

T089-7663-00121

**INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT  
 OFFICE OF AIR QUALITY  
 COMPLIANCE DATA SECTION**

**PART 70 OPERATING PERMIT  
 QUARTERLY DEVIATION AND COMPLIANCE MONITORING REPORT**

Source Name: U.S. Steel – Gary Works  
 Source Address: One North Broadway, Gary, Indiana 46402  
 Mailing Address: One North Broadway, Gary, Indiana 46402  
 Part 70 Permit No.: T089-7663-00121

Months: July 1 to September 30 Year: 2008

This report shall be submitted quarterly based on a calendar year. Any deviation from the requirements, the date(s) of each deviation, the probable cause of the deviation, and the response steps taken must be reported. A deviation required to be reported pursuant to an applicable requirement that exists independent of the permit, shall be reported according to the schedule stated in the applicable requirement and does not need to be included in this report. Additional pages may be attached if necessary. If no deviations occurred, please specify in the box marked "No deviations occurred this reporting period".

☐ NO DEVIATIONS OCCURRED THIS REPORTING PERIOD.

☒ THE FOLLOWING DEVIATIONS OCCURRED THIS REPORTING PERIOD.

Permit Requirement (specify permit condition #) D.2.4(e)(1) and D.2.5(c)

Date of Deviation: 7/2/08

Duration of Deviation: Not applicable

Number of Deviations: 1

Probable Cause of Deviation: 6 offtake leaks out of 90 observed

303 #2 BATTERY  
6.70%

Response Steps Taken: Patch and seal leaks on the leaking offtakes

Permit Requirement (specify permit condition #) D.2.4(a) and D.2.5(e)

Date of Deviation: 7/16/08

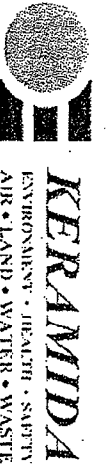
Duration of Deviation: Not applicable

Number of Deviations: 1

Probable Cause of Deviation: 19 door leaks out of 150 observed

#7 BATTERY commitment  
12.70%

Response Steps Taken: Seal leaks on the leaking doors



## INSPECTION SUMMARY

DATE 7-2-08

INSPECTOR S. Bell

SHIFT A

PLANT: CITIZENS GAS (Indianapolis)

☐ MITTAL (Burns Harbor)☒ US STEEL (Gary)BATTERY NO.: 1 ☐ 2 ☒ 3 ☐ 4 ☐ 5 ☐ 6 ☐ 7 ☐ 8 ☐ 9 ☐ 10 ☐ 11 ☐ 12 ☐ 13 ☐ 14 ☐ 15 ☐ 16 ☐ 17 ☐ 18 ☐ 19 ☐ 20 ☐ 21 ☐ 22 ☐ 23 ☐ 24 ☐ 25 ☐ 26 ☐ 27 ☐ 28 ☐ 29 ☐ 30 ☐ 31 ☐ 32 ☐ 33 ☐ 34 ☐ 35 ☐ 36 ☐ 37 ☐ 38 ☐ 39 ☐ 40 ☐ 41 ☐ 42 ☐ 43 ☐ 44 ☐ 45 ☐ 46 ☐ 47 ☐ 48 ☐ 49 ☐ 50 ☐ 51 ☐ 52 ☐ 53 ☐ 54 ☐ 55 ☐ 56 ☐ 57 ☐ 58 ☐ 59 ☐ 60 ☐ 61 ☐ 62 ☐ 63 ☐ 64 ☐ 65 ☐ 66 ☐ 67 ☐ 68 ☐ 69 ☐ 70 ☐ 71 ☐ 72 ☐ 73 ☐ 74 ☐ 75 ☐ 76 ☐ 77 ☐ 78 ☐ 79 ☐ 80 ☐ 81 ☐ 82 ☐ 83 ☐ 84 ☐ 85 ☐ 86 ☐ 87 ☐ 88 ☐ 89 ☐ 90 ☐ 91 ☐ 92 ☐ 93 ☐ 94 ☐ 95 ☐ 96 ☐ 97 ☐ 98 ☐ 99 ☐ 100 ☐ 101 ☐ 102 ☐ 103 ☐ 104 ☐ 105 ☐ 106 ☐ 107 ☐ 108 ☐ 109 ☐ 110 ☐ 111 ☐ 112 ☐ 113 ☐ 114 ☐ 115 ☐ 116 ☐ 117 ☐ 118 ☐ 119 ☐ 120 ☐ 121 ☐ 122 ☐ 123 ☐ 124 ☐ 125 ☐ 126 ☐ 127 ☐ 128 ☐ 129 ☐ 130 ☐ 131 ☐ 132 ☐ 133 ☐ 134 ☐ 135 ☐ 136 ☐ 137 ☐ 138 ☐ 139 ☐ 140 ☐ 141 ☐ 142 ☐ 143 ☐ 144 ☐ 145 ☐ 146 ☐ 147 ☐ 148 ☐ 149 ☐ 150 ☐ 151 ☐ 152 ☐ 153 ☐ 154 ☐ 155 ☐ 156 ☐ 157 ☐ 158 ☐ 159 ☐ 160 ☐ 161 ☐ 162 ☐ 163 ☐ 164 ☐ 165 ☐ 166 ☐ 167 ☐ 168 ☐ 169 ☐ 170 ☐ 171 ☐ 172 ☐ 173 ☐ 174 ☐ 175 ☐ 176 ☐ 177 ☐ 178 ☐ 179 ☐ 180 ☐ 181 ☐ 182 ☐ 183 ☐ 184 ☐ 185 ☐ 186 ☐ 187 ☐ 188 ☐ 189 ☐ 190 ☐ 191 ☐ 192 ☐ 193 ☐ 194 ☐ 195 ☐ 196 ☐ 197 ☐ 198 ☐ 199 ☐ 200 ☐ 201 ☐ 202 ☐ 203 ☐ 204 ☐ 205 ☐ 206 ☐ 207 ☐ 208 ☐ 209 ☐ 210 ☐ 211 ☐ 212 ☐ 213 ☐ 214 ☐ 215 ☐ 216 ☐ 217 ☐ 218 ☐ 219 ☐ 220 ☐ 221 ☐ 222 ☐ 223 ☐ 224 ☐ 225 ☐ 226 ☐ 227 ☐ 228 ☐ 229 ☐ 230 ☐ 231 ☐ 232 ☐ 233 ☐ 234 ☐ 235 ☐ 236 ☐ 237 ☐ 238 ☐ 239 ☐ 240 ☐ 241 ☐ 242 ☐ 243 ☐ 244 ☐ 245 ☐ 246 ☐ 247 ☐ 248 ☐ 249 ☐ 250 ☐ 251 ☐ 252 ☐ 253 ☐ 254 ☐ 255 ☐ 256 ☐ 257 ☐ 258 ☐ 259 ☐ 260 ☐ 261 ☐ 262 ☐ 263 ☐ 264 ☐ 265 ☐ 266 ☐ 267 ☐ 268 ☐ 269 ☐ 270 ☐ 271 ☐ 272 ☐ 273 ☐ 274 ☐ 275 ☐ 276 ☐ 277 ☐ 278 ☐ 279 ☐ 280 ☐ 281 ☐ 282 ☐ 283 ☐ 284 ☐ 285 ☐ 286 ☐ 287 ☐ 288 ☐ 289 ☐ 290 ☐ 291 ☐ 292 ☐ 293 ☐ 294 ☐ 295 ☐ 296 ☐ 297 ☐ 298 ☐ 299 ☐ 300 ☐ 301 ☐ 302 ☐ 303 ☐ 304 ☐ 305 ☐ 306 ☐ 307 ☐ 308 ☐ 309 ☐ 310 ☐ 311 ☐ 312 ☐ 313 ☐ 314 ☐ 315 ☐ 316 ☐ 317 ☐ 318 ☐ 319 ☐ 320 ☐ 321 ☐ 322 ☐ 323 ☐ 324 ☐ 325 ☐ 326 ☐ 327 ☐ 328 ☐ 329 ☐ 330 ☐ 331 ☐ 332 ☐ 333 ☐ 334 ☐ 335 ☐ 336 ☐ 337 ☐ 338 ☐ 339 ☐ 340 ☐ 341 ☐ 342 ☐ 343 ☐ 344 ☐ 345 ☐ 346 ☐ 347 ☐ 348 ☐ 349 ☐ 350 ☐ 351 ☐ 352 ☐ 353 ☐ 354 ☐ 355 ☐ 356 ☐ 357 ☐ 358 ☐ 359 ☐ 360 ☐ 361 ☐ 362 ☐ 363 ☐ 364 ☐ 365 ☐ 366 ☐ 367 ☐ 368 ☐ 369 ☐ 370 ☐ 371 ☐ 372 ☐ 373 ☐ 374 ☐ 375 ☐ 376 ☐ 377 ☐ 378 ☐ 379 ☐ 380 ☐ 381 ☐ 382 ☐ 383 ☐ 384 ☐ 385 ☐ 386 ☐ 387 ☐ 388 ☐ 389 ☐ 390 ☐ 391 ☐ 392 ☐ 393 ☐ 394 ☐ 395 ☐ 396 ☐ 397 ☐ 398 ☐ 399 ☐ 400 ☐ 401 ☐ 402 ☐ 403 ☐ 404 ☐ 405 ☐ 406 ☐ 407 ☐ 408 ☐ 409 ☐ 410 ☐ 411 ☐ 412 ☐ 413 ☐ 414 ☐ 415 ☐ 416 ☐ 417 ☐ 418 ☐ 419 ☐ 420 ☐ 421 ☐ 422 ☐ 423 ☐ 424 ☐ 425 ☐ 426 ☐ 427 ☐ 428 ☐ 429 ☐ 430 ☐ 431 ☐ 432 ☐ 433 ☐ 434 ☐ 435 ☐ 436 ☐ 437 ☐ 438 ☐ 439 ☐ 440 ☐ 441 ☐ 442 ☐ 443 ☐ 444 ☐ 445 ☐ 446 ☐ 447 ☐ 448 ☐ 449 ☐ 450 ☐ 451 ☐ 452 ☐ 453 ☐ 454 ☐ 455 ☐ 456 ☐ 457 ☐ 458 ☐ 459 ☐ 460 ☐ 461 ☐ 462 ☐ 463 ☐ 464 ☐ 465 ☐ 466 ☐ 467 ☐ 468 ☐ 469 ☐ 470 ☐ 471 ☐ 472 ☐ 473 ☐ 474 ☐ 475 ☐ 476 ☐ 477 ☐ 478 ☐ 479 ☐ 480 ☐ 481 ☐ 482 ☐ 483 ☐ 484 ☐ 485 ☐ 486 ☐ 487 ☐ 488 ☐ 489 ☐ 490 ☐ 491 ☐ 492 ☐ 493 ☐ 494 ☐ 495 ☐ 496 ☐ 497 ☐ 498 ☐ 499 ☐ 500 ☐ 501 ☐ 502 ☐ 503 ☐ 504 ☐ 505 ☐ 506 ☐ 507 ☐ 508 ☐ 509 ☐ 510 ☐ 511 ☐ 512 ☐ 513 ☐ 514 ☐ 515 ☐ 516 ☐ 517 ☐ 518 ☐ 519 ☐ 520 ☐ 521 ☐ 522 ☐ 523 ☐ 524 ☐ 525 ☐ 526 ☐ 527 ☐ 528 ☐ 529 ☐ 530 ☐ 531 ☐ 532 ☐ 533 ☐ 534 ☐ 535 ☐ 536 ☐ 537 ☐ 538 ☐ 539 ☐ 540 ☐ 541 ☐ 542 ☐ 543 ☐ 544 ☐ 545 ☐ 546 ☐ 547 ☐ 548 ☐ 549 ☐ 550 ☐ 551 ☐ 552 ☐ 553 ☐ 554 ☐ 555 ☐ 556 ☐ 557 ☐ 558 ☐ 559 ☐ 560 ☐ 561 ☐ 562 ☐ 563 ☐ 564 ☐ 565 ☐ 566 ☐ 567 ☐ 568 ☐ 569 ☐ 570 ☐ 571 ☐ 572 ☐ 573 ☐ 574 ☐ 575 ☐ 576 ☐ 577 ☐ 578 ☐ 579 ☐ 580 ☐ 581 ☐ 582 ☐ 583 ☐ 584 ☐ 585 ☐ 586 ☐ 587 ☐ 588 ☐ 589 ☐ 590 ☐ 591 ☐ 592 ☐ 593 ☐ 594 ☐ 595 ☐ 596 ☐ 597 ☐ 598 ☐ 599 ☐ 600 ☐ 601 ☐ 602 ☐ 603 ☐ 604 ☐ 605 ☐ 606 ☐ 607 ☐ 608 ☐ 609 ☐ 610 ☐ 611 ☐ 612 ☐ 613 ☐ 614 ☐ 615 ☐ 616 ☐ 617 ☐ 618 ☐ 619 ☐ 620 ☐ 621 ☐ 622 ☐ 623 ☐ 624 ☐ 625 ☐ 626 ☐ 627 ☐ 628 ☐ 629 ☐ 630 ☐ 631 ☐ 632 ☐ 633 ☐ 634 ☐ 635 ☐ 636 ☐ 637 ☐ 638 ☐ 639 ☐ 640 ☐ 641 ☐ 642 ☐ 643 ☐ 644 ☐ 645 ☐ 646 ☐ 647 ☐ 648 ☐ 649 ☐ 650 ☐ 651 ☐ 652 ☐ 653 ☐ 654 ☐ 655 ☐ 656 ☐ 657 ☐ 658 ☐ 659 ☐ 660 ☐ 661 ☐ 662 ☐ 663 ☐ 664 ☐ 665 ☐ 666 ☐ 667 ☐ 668 ☐ 669 ☐ 670 ☐ 671 ☐ 672 ☐ 673 ☐ 674 ☐ 675 ☐ 676 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1008 ☐ 1009 ☐ 1010 ☐ 1011 ☐ 1012 ☐ 1013 ☐ 1014 ☐ 1015 ☐ 1016 ☐ 1017 ☐ 1018 ☐ 1019 ☐ 1020 ☐ 1021 ☐ 1022 ☐ 1023 ☐ 1024 ☐ 1025 ☐ 1026 ☐ 1027 ☐ 1028 ☐ 1029 ☐ 1030 ☐ 1031 ☐ 1032 ☐ 1033 ☐ 1034 ☐ 1035 ☐ 1036 ☐ 1037 ☐ 1038 ☐ 1039 ☐ 1040 ☐ 1041 ☐ 1042 ☐ 1043 ☐ 1044 ☐ 1045 ☐ 1046 ☐ 1047 ☐ 1048 ☐ 1049 ☐ 1050 ☐ 1051 ☐ 1052 ☐ 1053 ☐ 1054 ☐ 1055 ☐ 1056 ☐ 1057 ☐ 1058 ☐ 1059 ☐ 1060 ☐ 1061 ☐ 1062 ☐ 1063 ☐ 1064 ☐ 1065 ☐ 1066 ☐ 1067 ☐ 1068 ☐ 1069 ☐ 1070 ☐ 1071 ☐ 1072 ☐ 1073 ☐ 1074 ☐ 1075 ☐ 1076 ☐ 1077 ☐ 1078 ☐ 1079 ☐ 1080 ☐ 1081 ☐ 1082 ☐ 1083 ☐ 1084 ☐ 1085 ☐ 1086 ☐ 1087 ☐ 1088 ☐ 1089 ☐ 1090 ☐ 1091 ☐ 1092 ☐ 1093 ☐ 1094 ☐ 1095 ☐ 1096 ☐ 1097 ☐ 1098 ☐ 1099 ☐ 1100 ☐ 1101 ☐ 1102 ☐ 1103 ☐ 1104 ☐ 1105 ☐ 1106 ☐ 1107 ☐ 1108 ☐ 1109 ☐ 1110 ☐ 1111 ☐ 1112 ☐ 1113 ☐ 1114 ☐ 1115 ☐ 1116 ☐ 1117 ☐ 1118 ☐ 1119 ☐ 1120 ☐ 1121 ☐ 1122 ☐ 1123 ☐ 1124 ☐ 1125 ☐ 1126 ☐ 1127 ☐ 1128 ☐ 1129 ☐ 1130 ☐ 1131 ☐ 1132 ☐ 1133 ☐ 1134 ☐ 1135 ☐ 1136 ☐ 1137 ☐ 1138 ☐ 1139 ☐ 1140 ☐ 1141 ☐ 1142 ☐ 1143 ☐ 1144 ☐ 1145 ☐ 1146 ☐ 1147 ☐ 1148 ☐ 1149 ☐ 1150 ☐ 1151 ☐ 1152 ☐ 1153 ☐ 1154 ☐ 1155 ☐ 1156 ☐ 1157 ☐ 1158 ☐ 1159 ☐ 1160 ☐ 1161 ☐ 1162 ☐ 1163 ☐ 1164 ☐ 1165 ☐ 1166 ☐ 1167 ☐ 1168 ☐ 1169 ☐ 1170 ☐ 1171 ☐ 1172 ☐ 1173 ☐ 1174 ☐ 1175 ☐ 1176 ☐ 1177 ☐ 1178 ☐ 1179 ☐ 1180 ☐ 1181 ☐ 1182 ☐ 1183 ☐ 1184 ☐ 1185 ☐ 1186 ☐ 1187 ☐ 1188 ☐ 1189 ☐ 1190


**KERAMIDA**

 ENVIRONMENT • HEALTH • SAFETY  
 AIR • LAND • WATER • WASTE

**TOPSIDE INSPECTION (LIDS & OFFTAKES)**

 DATE 7-2-08

 INSPECTOR C. Wallace

PLANT: CITIZENS GAS (Indianapolis)

☐

MITTAL (Burns Harbor)

☐

US STEEL (Gary)

☒

BATTERY NO.:

☐
☒
☐
☐
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Oven No.	OFFTAKES		LIDS					Oven No.	OFFTAKES		LIDS					Oven No.	OFFTAKES		LIDS				
	Push Side	Coke Side	1	2	3	4	5		Push Side	Coke Side	1	2	3	4	5		Push Side	Coke Side	1	2	3	4	5
1	OOS							32								63							
2								33								64							
3	X							34								65							
4								35	X							66							
5								36								67							
6								37								68							
7								38								69							
8	O	O	-	O	O	-		39								70							
9								40								71							
10	O	O	-	-	-	-		41	O	O	O	-	O	O		72							
11								42								73							
12	O	O	-	O	O	-		43	X	X						74							
13								44								75							
14	O	O	-	O	O	-		45								76							
15								46	X							77							
16								47								78							
17								48								79							
18								49								80							
19								50								81							
20								51								82							
21								52								83							
22								53								84							
23	OOS							54	OOS							85							
24								55								86							
25								56								87							
26								57	X							88							
27	OOS							58								89							
28								59								90							
29								60								91							
30								61								92							
31								62								93							

Lids Traverse:

 Start Time 2235

 Stop Time 2237

 Total Number of Ovens 57

Maximum Time (sec)

228

Actual Time

88

 Valid Run ☒ Y ☐ N

 Ovens Out of Service 7

Offtakes Traverse:

 Start Time 2231

 Stop Time 2235

Maximum Time (sec)

258

Actual Time

143

 Valid Run ☒ Y ☐ N

OFFTAKES		LIDS		Legend	
Total No. of Offtakes	<u>114</u>	Total No. of Lids	<u>228</u>	X = Leak	
No. of Offtakes Not Observed	<u>10</u>	No. of Lids Not Observed	<u>20</u>	OOS = Out-Of-Service	
Total No. of Offtakes Observed	<u>90</u>	Total No. of Lids Observed	<u>180</u>	O = Open	
No. of Offtakes Leaking	<u>6</u>	No. of Lids Leaking	<u>0</u>		

Comments:

# DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

## OFFICE OF AIR MANAGEMENT

### NORTHWEST OFFICE

### COKE OVEN DOOR EMISSIONS EVALUATION

Battery Number

5 ☐ 7 ☒

Date: 7/16/08

Company: U.S. STEEL, GARY WORKS  
Address: 1 North Broadway  
Gary, IN  
Lake County

Inspector's Name: David Simpson

Sky Condition: \_\_\_\_\_

Ambient Temperature \_\_\_\_\_

Push Side Traverse Start Time 12:01 Stop Time 12:03  
Coke Side Traverse Start Time 12:09 Stop Time 12:12

Oven No.	Push Side	Coke Side	Oven No.	Push Side	Coke Side	Oven No.	Push Side	Coke Side
1			26			52		
2			27			53		
3			28			54		
4			29			55		
5			30	✓		56	✓	
6			31			57		
7			32			58		
8			33	OV	OV	59		
9			34			60		
10			35			61		
11			36		✓	62	✓	
12			37			63	✓	
13			38			64	✓	
14	✓	✓	39			65		
15			40		✓	66		
16			41			67		
17			42			68		
18			43	✓		69	✓	
19			44			70		
20			45			71		✓
21	✓		46		✓	72	✓	✓
22	✓		47		✓	73	✓	
23		✓	48	✓		74		
24	✓	✓	49			75		
25			50			76	B	
			51			77	B	

Total Number of Ovens: 77

Ovens Out of Service: 0

Number of Doors Not Observed: 24

$\frac{\text{No. Door Leaks}}{\text{No. Doors Observed}} \times 100 = \text{Percent Leakage}$

$\frac{19}{150} \times 100 = 12.7\% \text{ Leakage}$

LIMIT PER 326 IAC 6-1-10.2 (c)(1)  
10% of the Observed Coke Oven Doors

Compliance Status: ☐ IN ☒ OUT

US Steel-Gary Works  
 Gary, Indiana  
 Permit Reviewer: Gail McGarrity

T089-7663-00121

<b>Permit Requirement (specify permit condition #) D.2.26</b>	
<b>Date of Deviation:</b> 7/25/08	<b>Duration of Deviation:</b> Not applicable
<b>Number of Deviations:</b> 1	
<b>Probable Cause of Deviation:</b> No. 7 Coke Battery shutdown was on July 18, 2008 due to a scheduled waste heat stack canal repair. The ovens were charged and collector mains pressured with steam and nitrogen. The purge medium burned away the carbon buildup and the cracks and joints in the oven chambers were opened resulting in raw coke oven gas to penetrate the heating flues after recharging.	
<b>Response Steps Taken:</b> Adjusted draft setting and air to gas ratio for normal operations, inspected oven walls and floors for spraying, ceramic welding, and dry gunning.	

<b>Permit Requirement (specify permit condition #) D.2.4(c)(2)</b>	
<b>Date of Deviation:</b> 8/12/08	<b>Duration of Deviation:</b> Not applicable
<b>Number of Deviations:</b> 1	#2 Battery flues 32.5% due to 30.3%
<b>Probable Cause of Deviation:</b> The deterioration of the walls and flues due to ram forces exerted on the walls over time along with water running down onto the first through third flues for 41 and 42 which led to low temperatures on the fourth control flue.	
<b>Response Steps Taken:</b> Inspected flues for 41 and 42 oven walls, gas channels and waste heat elbows. Repaired the leaking water pipe and swab 41 and 42 pusher side and coke side guns.	

<b>Permit Requirement (specify permit condition #) D.2.4(e)(1) and D.2.5(c)</b>	
<b>Date of Deviation:</b> 8/27/08	<b>Duration of Deviation:</b> Not applicable
<b>Number of Deviations:</b> 1	#2 BATTERY 30.3 Inquest 7.3%
<b>Probable Cause of Deviation:</b> 7 oftake leaks out of 96 observed	
<b>Response Steps Taken:</b> Patch and seal leaks on the leaking offtakes	

<b>Permit Requirement (specify permit condition #) D.2.4(e)(1) and D.2.5(c)</b>	
<b>Date of Deviation:</b> 9/2/08	<b>Duration of Deviation:</b> Not applicable
<b>Number of Deviations:</b> 1	#2 BATTERY 30.3 Inquest 6.8%
<b>Probable Cause of Deviation:</b> 6 offtake leaks out of 88 observed	
<b>Response Steps Taken:</b> Patch and seal leaks on the leaking offtakes	



L- 4081

## Pushing Observations



Date

08/12/08

Battery No.

2 5 7

Start Time

0838

Observer

Jan Simpson

Finish Time

1046

Oven No.	Door Removal hh:mm:ss	Push Time		Travel Time		Door Replaced mm:ss	Duration Time mm:ss	Push Opacity				Travel Opacity			
		Start hh:mm:ss	End mm:ss	Start mm:ss	End mm:ss			0	15	30	45	0	15	30	45
39	<u>38 35</u> 08	<u>40 22</u> 08	1:34 +94		1:16 94	2:53 +173	2:50 170	0	25	30	20	5	5	0	0
								0	0	0		0			
												Mact Avg.		7.08 %	
												IDEM Avg.		12.50 %	
41	<u>03 47</u> 09	<u>07 09</u> 09	2:00 +120		1:06 120	3:29 +209	3:06 186	0	5	30	20	15	15	10	10
								20	80	35	10				
								10				Mact Avg.		20.00 %	
												IDEM Avg.		32.50 %	
43	<u>19 27</u> 09	<u>22 22</u> 09	1:46 +106		1:09 106	2:52 +172	2:55 175	0	10	25	30	0	0	0	0
								15	0	0	0				
												Mact Avg.		6.67 %	
												IDEM Avg.		13.33 %	
45	<u>32 39</u> 10	<u>40 15</u> 10	1:42 +102		1:04 102	2:44 +164	2:46 166	0	5	20	20	0	0	0	0
								10	0	0		0			
												Mact Avg.		4.58 %	
												IDEM Avg.		9.17 %	
			+		+	+						Mact Avg.		%	
												IDEM Avg.		%	
												Mact Avg.		%	
												IDEM Avg.		%	

Oven No. Of Door Removed Exceeding 20% Opacity Before Push

Passed (Extended) Oven Nos.:

Passed (Out of Service) Oven Nos.:

Passed (Green) Oven Nos.:

Other Comments:

Temperature

70

Wind Speed

2

Wind Direction

SE

Humidity

90%

Gas Cleaner

9121

9119

Baghouse

Door Machine:

East

West



U.S. Steel Gary Works  
Method 9 Criteria Determination  
Pushing Observations

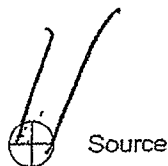
Date: 08/12/08

Battery No.: 2 5 7

Observer Name: Jon Simpson

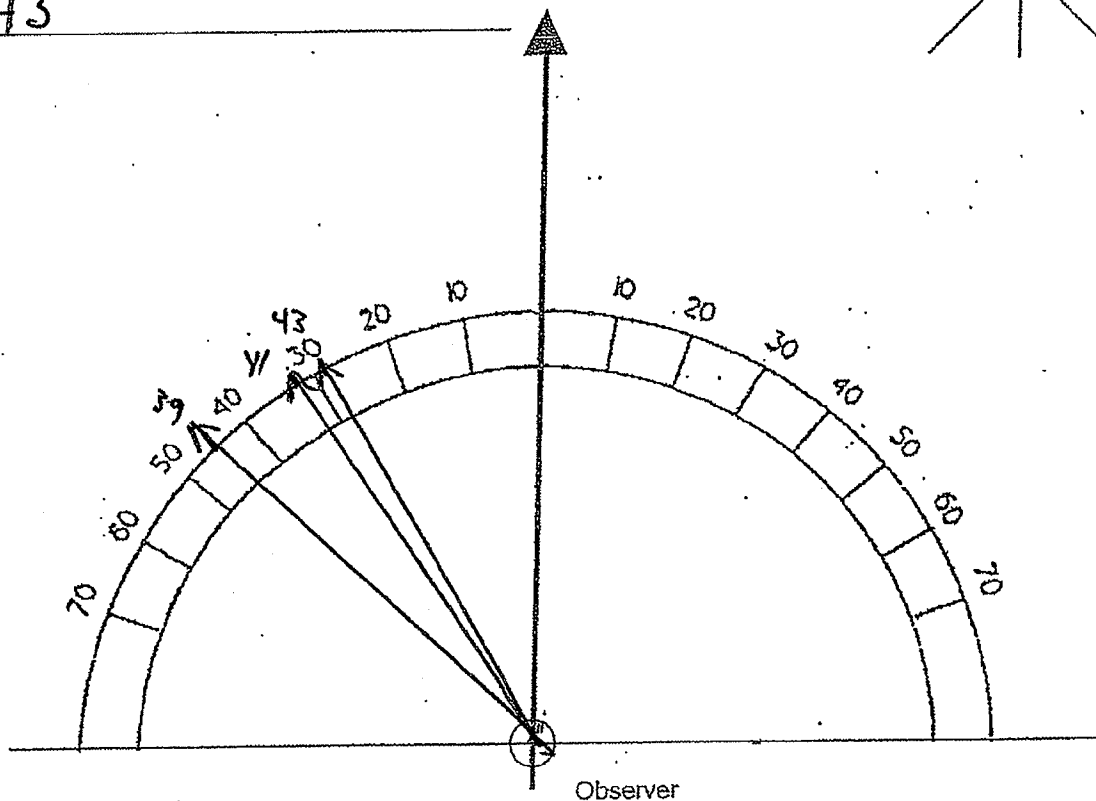
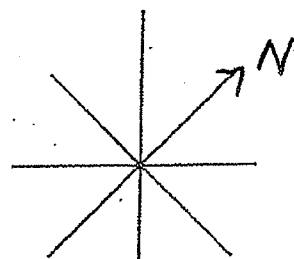
Time Begin: 0839

Time End: 1046

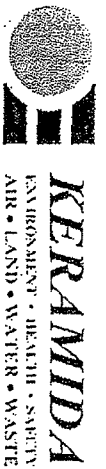


Overcast  
No sun visible for Push on Oven Nos.

45



Signature: Jon Simpson



## INSPECTION SUMMARY

DATE 8-27-08 INSPECTOR C. Swallen SHIFT D  
 PLANT: CITIZENS GAS (Indianapolis) ☐ MITTAL (Burns Harbor) ☐ US STEEL (Gary) ☒  
 BATTERY NO.: ☐ 1 ☐ 2 ☒ 3 ☐ 4 ☐ 5 ☐ 6 ☐ 7 ☐ 8 ☐ 9 ☐ 10 ☐ 11 ☐ 12 ☐ 13 ☐ 14 ☐ 15 ☐ 16 ☐ 17 ☐ 18 ☐ 19 ☐ 20 ☐ 21 ☐ 22 ☐ 23 ☐ 24 ☐ 25 ☐ 26 ☐ 27 ☐ 28 ☐ 29 ☐ 30 ☐ 31 ☐ 32 ☐ 33 ☐ 34 ☐ 35 ☐ 36 ☐ 37 ☐ 38 ☐ 39 ☐ 40 ☐ 41 ☐ 42 ☐ 43 ☐ 44 ☐ 45 ☐ 46 ☐ 47 ☐ 48 ☐ 49 ☐ 50 ☐ 51 ☐ 52 ☐ 53 ☐ 54 ☐ 55 ☐ 56 ☐ 57 ☐ 58 ☐ 59 ☐ 60 ☐ 61 ☐ 62 ☐ 63 ☐ 64 ☐ 65 ☐ 66 ☐ 67 ☐ 68 ☐ 69 ☐ 70 ☐ 71 ☐ 72 ☐ 73 ☐ 74 ☐ 75 ☐ 76 ☐ 77 ☐ 78 ☐ 79 ☐ 80 ☐ 81 ☐ 82 ☐ 83 ☐ 84 ☐ 85 ☐ 86 ☐ 87 ☐ 88 ☐ 89 ☐ 90 ☐ 91 ☐ 92 ☐ 93 ☐ 94 ☐ 95 ☐ 96 ☐ 97 ☐ 98 ☐ 99 ☐ 100 ☐ 101 ☐ 102 ☐ 103 ☐ 104 ☐ 105 ☐ 106 ☐ 107 ☐ 108 ☐ 109 ☐ 110 ☐ 111 ☐ 112 ☐ 113 ☐ 114 ☐ 115 ☐ 116 ☐ 117 ☐ 118 ☐ 119 ☐ 120 ☐ 121 ☐ 122 ☐ 123 ☐ 124 ☐ 125 ☐ 126 ☐ 127 ☐ 128 ☐ 129 ☐ 130 ☐ 131 ☐ 132 ☐ 133 ☐ 134 ☐ 135 ☐ 136 ☐ 137 ☐ 138 ☐ 139 ☐ 140 ☐ 141 ☐ 142 ☐ 143 ☐ 144 ☐ 145 ☐ 146 ☐ 147 ☐ 148 ☐ 149 ☐ 150 ☐ 151 ☐ 152 ☐ 153 ☐ 154 ☐ 155 ☐ 156 ☐ 157 ☐ 158 ☐ 159 ☐ 160 ☐ 161 ☐ 162 ☐ 163 ☐ 164 ☐ 165 ☐ 166 ☐ 167 ☐ 168 ☐ 169 ☐ 170 ☐ 171 ☐ 172 ☐ 173 ☐ 174 ☐ 175 ☐ 176 ☐ 177 ☐ 178 ☐ 179 ☐ 180 ☐ 181 ☐ 182 ☐ 183 ☐ 184 ☐ 185 ☐ 186 ☐ 187 ☐ 188 ☐ 189 ☐ 190 ☐ 191 ☐ 192 ☐ 193 ☐ 194 ☐ 195 ☐ 196 ☐ 197 ☐ 198 ☐ 199 ☐ 200 ☐ 201 ☐ 202 ☐ 203 ☐ 204 ☐ 205 ☐ 206 ☐ 207 ☐ 208 ☐ 209 ☐ 210 ☐ 211 ☐ 212 ☐ 213 ☐ 214 ☐ 215 ☐ 216 ☐ 217 ☐ 218 ☐ 219 ☐ 220 ☐ 221 ☐ 222 ☐ 223 ☐ 224 ☐ 225 ☐ 226 ☐ 227 ☐ 228 ☐ 229 ☐ 230 ☐ 231 ☐ 232 ☐ 233 ☐ 234 ☐ 235 ☐ 236 ☐ 237 ☐ 238 ☐ 239 ☐ 240 ☐ 241 ☐ 242 ☐ 243 ☐ 244 ☐ 245 ☐ 246 ☐ 247 ☐ 248 ☐ 249 ☐ 250 ☐ 251 ☐ 252 ☐ 253 ☐ 254 ☐ 255 ☐ 256 ☐ 257 ☐ 258 ☐ 259 ☐ 260 ☐ 261 ☐ 262 ☐ 263 ☐ 264 ☐ 265 ☐ 266 ☐ 267 ☐ 268 ☐ 269 ☐ 270 ☐ 271 ☐ 272 ☐ 273 ☐ 274 ☐ 275 ☐ 276 ☐ 277 ☐ 278 ☐ 279 ☐ 280 ☐ 281 ☐ 282 ☐ 283 ☐ 284 ☐ 285 ☐ 286 ☐ 287 ☐ 288 ☐ 289 ☐ 290 ☐ 291 ☐ 292 ☐ 293 ☐ 294 ☐ 295 ☐ 296 ☐ 297 ☐ 298 ☐ 299 ☐ 300 ☐ 301 ☐ 302 ☐ 303 ☐ 304 ☐ 305 ☐ 306 ☐ 307 ☐ 308 ☐ 309 ☐ 310 ☐ 311 ☐ 312 ☐ 313 ☐ 314 ☐ 315 ☐ 316 ☐ 317 ☐ 318 ☐ 319 ☐ 320 ☐ 321 ☐ 322 ☐ 323 ☐ 324 ☐ 325 ☐ 326 ☐ 327 ☐ 328 ☐ 329 ☐ 330 ☐ 331 ☐ 332 ☐ 333 ☐ 334 ☐ 335 ☐ 336 ☐ 337 ☐ 338 ☐ 339 ☐ 340 ☐ 341 ☐ 342 ☐ 343 ☐ 344 ☐ 345 ☐ 346 ☐ 347 ☐ 348 ☐ 349 ☐ 350 ☐ 351 ☐ 352 ☐ 353 ☐ 354 ☐ 355 ☐ 356 ☐ 357 ☐ 358 ☐ 359 ☐ 360 ☐ 361 ☐ 362 ☐ 363 ☐ 364 ☐ 365 ☐ 366 ☐ 367 ☐ 368 ☐ 369 ☐ 370 ☐ 371 ☐ 372 ☐ 373 ☐ 374 ☐ 375 ☐ 376 ☐ 377 ☐ 378 ☐ 379 ☐ 380 ☐ 381 ☐ 382 ☐ 383 ☐ 384 ☐ 385 ☐ 386 ☐ 387 ☐ 388 ☐ 389 ☐ 390 ☐ 391 ☐ 392 ☐ 393 ☐ 394 ☐ 395 ☐ 396 ☐ 397 ☐ 398 ☐ 399 ☐ 400 ☐ 401 ☐ 402 ☐ 403 ☐ 404 ☐ 405 ☐ 406 ☐ 407 ☐ 408 ☐ 409 ☐ 410 ☐ 411 ☐ 412 ☐ 413 ☐ 414 ☐ 415 ☐ 416 ☐ 417 ☐ 418 ☐ 419 ☐ 420 ☐ 421 ☐ 422 ☐ 423 ☐ 424 ☐ 425 ☐ 426 ☐ 427 ☐ 428 ☐ 429 ☐ 430 ☐ 431 ☐ 432 ☐ 433 ☐ 434 ☐ 435 ☐ 436 ☐ 437 ☐ 438 ☐ 439 ☐ 440 ☐ 441 ☐ 442 ☐ 443 ☐ 444 ☐ 445 ☐ 446 ☐ 447 ☐ 448 ☐ 449 ☐ 450 ☐ 451 ☐ 452 ☐ 453 ☐ 454 ☐ 455 ☐ 456 ☐ 457 ☐ 458 ☐ 459 ☐ 460 ☐ 461 ☐ 462 ☐ 463 ☐ 464 ☐ 465 ☐ 466 ☐ 467 ☐ 468 ☐ 469 ☐ 470 ☐ 471 ☐ 472 ☐ 473 ☐ 474 ☐ 475 ☐ 476 ☐ 477 ☐ 478 ☐ 479 ☐ 480 ☐ 481 ☐ 482 ☐ 483 ☐ 484 ☐ 485 ☐ 486 ☐ 487 ☐ 488 ☐ 489 ☐ 490 ☐ 491 ☐ 492 ☐ 493 ☐ 494 ☐ 495 ☐ 496 ☐ 497 ☐ 498 ☐ 499 ☐ 500 ☐ 501 ☐ 502 ☐ 503 ☐ 504 ☐ 505 ☐ 506 ☐ 507 ☐ 508 ☐ 509 ☐ 510 ☐ 511 ☐ 512 ☐ 513 ☐ 514 ☐ 515 ☐ 516 ☐ 517 ☐ 518 ☐ 519 ☐ 520 ☐ 521 ☐ 522 ☐ 523 ☐ 524 ☐ 525 ☐ 526 ☐ 527 ☐ 528 ☐ 529 ☐ 530 ☐ 531 ☐ 532 ☐ 533 ☐ 534 ☐ 535 ☐ 536 ☐ 537 ☐ 538 ☐ 539 ☐ 540 ☐ 541 ☐ 542 ☐ 543 ☐ 544 ☐ 545 ☐ 546 ☐ 547 ☐ 548 ☐ 549 ☐ 550 ☐ 551 ☐ 552 ☐ 553 ☐ 554 ☐ 555 ☐ 556 ☐ 557 ☐ 558 ☐ 559 ☐ 560 ☐ 561 ☐ 562 ☐ 563 ☐ 564 ☐ 565 ☐ 566 ☐ 567 ☐ 568 ☐ 569 ☐ 570 ☐ 571 ☐ 572 ☐ 573 ☐ 574 ☐ 575 ☐ 576 ☐ 577 ☐ 578 ☐ 579 ☐ 580 ☐ 581 ☐ 582 ☐ 583 ☐ 584 ☐ 585 ☐ 586 ☐ 587 ☐ 588 ☐ 589 ☐ 590 ☐ 591 ☐ 592 ☐ 593 ☐ 594 ☐ 595 ☐ 596 ☐ 597 ☐ 598 ☐ 599 ☐ 600 ☐ 601 ☐ 602 ☐ 603 ☐ 604 ☐ 605 ☐ 606 ☐ 607 ☐ 608 ☐ 609 ☐ 610 ☐ 611 ☐ 612 ☐ 613 ☐ 614 ☐ 615 ☐ 616 ☐ 617 ☐ 618 ☐ 619 ☐ 620 ☐ 621 ☐ 622 ☐ 623 ☐ 624 ☐ 625 ☐ 626 ☐ 627 ☐ 628 ☐ 629 ☐ 630 ☐ 631 ☐ 632 ☐ 633 ☐ 634 ☐ 635 ☐ 636 ☐ 637 ☐ 638 ☐ 639 ☐ 640 ☐ 641 ☐ 642 ☐ 643 ☐ 644 ☐ 645 ☐ 646 ☐ 647 ☐ 648 ☐ 649 ☐ 650 ☐ 651 ☐ 652 ☐ 653 ☐ 654 ☐ 655 ☐ 656 ☐ 657 ☐ 658 ☐ 659 ☐ 660 ☐ 661 ☐ 662 ☐ 663 ☐ 664 ☐ 665 ☐ 666 ☐ 667 ☐ 668 ☐ 669 ☐ 670 ☐ 671 ☐ 672 ☐ 673 ☐ 674 ☐ 675 ☐ 676 ☐ 677 ☐ 678 ☐ 679 ☐ 680 ☐ 681 ☐ 682 ☐ 683 ☐ 684 ☐ 685 ☐ 686 ☐ 687 ☐ 688 ☐ 689 ☐ 690 ☐ 691 ☐ 692 ☐ 693 ☐ 694 ☐ 695 ☐ 696 ☐ 697 ☐ 698 ☐ 699 ☐ 700 ☐ 701 ☐ 702 ☐ 703 ☐ 704 ☐ 705 ☐ 706 ☐ 707 ☐ 708 ☐ 709 ☐ 710 ☐ 711 ☐ 712 ☐ 713 ☐ 714 ☐ 715 ☐ 716 ☐ 717 ☐ 718 ☐ 719 ☐ 720 ☐ 721 ☐ 722 ☐ 723 ☐ 724 ☐ 725 ☐ 726 ☐ 727 ☐ 728 ☐ 729 ☐ 730 ☐ 731 ☐ 732 ☐ 733 ☐ 734 ☐ 735 ☐ 736 ☐ 737 ☐ 738 ☐ 739 ☐ 740 ☐ 741 ☐ 742 ☐ 743 ☐ 744 ☐ 745 ☐ 746 ☐ 747 ☐ 748 ☐ 749 ☐ 750 ☐ 751 ☐ 752 ☐ 753 ☐ 754 ☐ 755 ☐ 756 ☐ 757 ☐ 758 ☐ 759 ☐ 760 ☐ 761 ☐ 762 ☐ 763 ☐ 764 ☐ 765 ☐ 766 ☐ 767 ☐ 768 ☐ 769 ☐ 770 ☐ 771 ☐ 772 ☐ 773 ☐ 774 ☐ 775 ☐ 776 ☐ 777 ☐ 778 ☐ 779 ☐ 780 ☐ 781 ☐ 782 ☐ 783 ☐ 784 ☐ 785 ☐ 786 ☐ 787 ☐ 788 ☐ 789 ☐ 790 ☐ 791 ☐ 792 ☐ 793 ☐ 794 ☐ 795 ☐ 796 ☐ 797 ☐ 798 ☐ 799 ☐ 800 ☐ 801 ☐ 802 ☐ 803 ☐ 804 ☐ 805 ☐ 806 ☐ 807 ☐ 808 ☐ 809 ☐ 810 ☐ 811 ☐ 812 ☐ 813 ☐ 814 ☐ 815 ☐ 816 ☐ 817 ☐ 818 ☐ 819 ☐ 820 ☐ 821 ☐ 822 ☐ 823 ☐ 824 ☐ 825 ☐ 826 ☐ 827 ☐ 828 ☐ 829 ☐ 830 ☐ 831 ☐ 832 ☐ 833 ☐ 834 ☐ 835 ☐ 836 ☐ 837 ☐ 838 ☐ 839 ☐ 840 ☐ 841 ☐ 842 ☐ 843 ☐ 844 ☐ 845 ☐ 846 ☐ 847 ☐ 848 ☐ 849 ☐ 850 ☐ 851 ☐ 852 ☐ 853 ☐ 854 ☐ 855 ☐ 856 ☐ 857 ☐ 858 ☐ 859 ☐ 860 ☐ 861 ☐ 862 ☐ 863 ☐ 864 ☐ 865 ☐ 866 ☐ 867 ☐ 868 ☐ 869 ☐ 870 ☐ 871 ☐ 872 ☐ 873 ☐ 874 ☐ 875 ☐ 876 ☐ 877 ☐ 878 ☐ 879 ☐ 880 ☐ 881 ☐ 882 ☐ 883 ☐ 884 ☐ 885 ☐ 886 ☐ 887 ☐ 888 ☐ 889 ☐ 890 ☐ 891 ☐ 892 ☐ 893 ☐ 894 ☐ 895 ☐ 896 ☐ 897 ☐ 898 ☐ 899 ☐ 900 ☐ 901 ☐ 902 ☐ 903 ☐ 904 ☐ 905 ☐ 906 ☐ 907 ☐ 908 ☐ 909 ☐ 910 ☐ 911 ☐ 912 ☐ 913 ☐ 914 ☐ 915 ☐ 916 ☐ 917 ☐ 918 ☐ 919 ☐ 920 ☐ 921 ☐ 922 ☐ 923 ☐ 924 ☐ 925 ☐ 926 ☐ 927 ☐ 928 ☐ 929 ☐ 930 ☐ 931 ☐ 932 ☐ 933 ☐ 934 ☐ 935 ☐ 936 ☐ 937 ☐ 938 ☐ 939 ☐ 940 ☐ 941 ☐ 942 ☐ 943 ☐ 944 ☐ 945 ☐ 946 ☐ 947 ☐ 948 ☐ 949 ☐ 950 ☐ 951 ☐ 952 ☐ 953 ☐ 954 ☐ 955 ☐ 956 ☐ 957 ☐ 958 ☐ 959 ☐ 960 ☐ 961 ☐ 962 ☐ 963 ☐ 964 ☐ 965 ☐ 966 ☐ 967 ☐ 968 ☐ 969 ☐ 970 ☐ 971 ☐ 972 ☐ 973 ☐ 974 ☐ 975 ☐ 976 ☐ 977 ☐ 978 ☐ 979 ☐ 980 ☐ 981 ☐ 982 ☐ 983 ☐ 984 ☐ 985 ☐ 986 ☐ 987 ☐ 988 ☐ 989 ☐ 990 ☐ 991 ☐ 992 ☐ 993 ☐ 994 ☐ 995 ☐ 996 ☐ 997 ☐ 998 ☐ 999 ☐ 1000 ☐ 1001 ☐ 1002 ☐ 1003 ☐ 1004 ☐ 1005 ☐ 1006 ☐ 1007 ☐ 1008 ☐ 1009 ☐ 1010 ☐ 1011 ☐ 1012 ☐ 1013 ☐ 1014 ☐ 1015 ☐ 1016 ☐ 1017 ☐ 1018 ☐ 1019 ☐ 1020 ☐ 1021 ☐ 1022 ☐ 1023 ☐ 1024 ☐ 1025 ☐ 1026 ☐ 1027 ☐ 1028 ☐ 1029 ☐ 1030 ☐ 1031 ☐ 1032 ☐ 1033 ☐ 1034 ☐ 1035 ☐ 1036 ☐ 1037 ☐ 1038 ☐ 1039 ☐ 1040 ☐ 1041 ☐ 1042 ☐ 1043 ☐ 1044 ☐ 1045 ☐ 1046 ☐ 1047 ☐ 1048 ☐ 1049 ☐ 1050 ☐ 1051 ☐ 1052 ☐ 1053 ☐ 1054 ☐ 1055 ☐ 1056 ☐ 1057 ☐ 1058 ☐ 1059 ☐ 1060 ☐ 1061 ☐ 1062 ☐ 1063 ☐ 1064 ☐ 1065 ☐ 1066 ☐ 1067 ☐ 1068 ☐ 1069 ☐ 1070 ☐ 1071 ☐ 1072 ☐ 1073 ☐ 1074 ☐ 1075 ☐ 1076 ☐ 1077 ☐ 1078 ☐ 1079 ☐ 1080 ☐ 1081 ☐ 1082 ☐ 1083 ☐ 1084 ☐ 1085 ☐ 1086 ☐ 1087 ☐ 1088 ☐ 1089 ☐ 1090 ☐ 1091 ☐ 1092 ☐ 1093 ☐ 1094 ☐ 1095 ☐ 1096 ☐ 1097 ☐ 1098 ☐ 1099 ☐ 1100 ☐ 1101 ☐ 1102 ☐ 1103 ☐ 1104 ☐ 1105 ☐ 1106 ☐ 1107 ☐ 1108 ☐ 1109 ☐ 1110 ☐ 1111 ☐ 1112 ☐ 1113 ☐ 1114 ☐ 1115 ☐ 1116 ☐ 1117 ☐ 1118 ☐ 1119 ☐ 1120 ☐ 1121 ☐ 1122 ☐ 1123 ☐ 1124 ☐ 1125 ☐ 1126 ☐ 1127 ☐ 1128 ☐ 1129 ☐ 1130 ☐ 1131 ☐ 1132 ☐ 1133 ☐ 1134 ☐ 1135 ☐ 1136 ☐ 1137 ☐ 1138 ☐ 1139 ☐ 1140 ☐ 1141 ☐ 1142 ☐ 1143 ☐ 1144 ☐ 1145 ☐ 1146 ☐ 1147 ☐ 1148 ☐ 1149 ☐ 1150 ☐ 1151 ☐ 1152 ☐ 1153 ☐ 1154 ☐ 1155 ☐ 1156 ☐ 1157 ☐ 1158 ☐ 1159 ☐ 1160 ☐ 1161 ☐ 1162 ☐ 1163 ☐ 1164 ☐ 1165 ☐ 1166 ☐ 1167 ☐ 1168 ☐ 1169 ☐ 1170 ☐ 1171 ☐ 1172 ☐ 1173 ☐ 1174 ☐ 1175 ☐ 1176 ☐ 1177 ☐ 1178 ☐ 1179 ☐ 1180 ☐ 1181 ☐ 1182 ☐ 1183 ☐ 1184 ☐ 1185 ☐ 1186 ☐ 1187 ☐ 1188 ☐ 1189 ☐ 1190 ☐ 1191 ☐ 1192 ☐ 1193 ☐ 1194 ☐ 1195 ☐ 1196 ☐ 1197 ☐ 1198 ☐ 1199 ☐ 1200 ☐ 1201 ☐ 1202



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### TOPSIDE INSPECTION (LIDS & OFFTAKES)

DATE 8-27-8INSPECTOR BwallPLANT: CITIZENS GAS (Indianapolis) ☐ MITTAL (Burns Harbor) ☐ US STEEL (Gary) ☒

BATTERY NO.:

1 ☐2 ☒5 ☐7 ☐E ☐H ☐

Oven No.	OFFTAKES		LIDS					Oven No.	OFFTAKES		LIDS					Oven No.	OFFTAKES		LIDS				
	Push Side	Coke Side	1	2	3	4	5		Push Side	Coke Side	1	2	3	4	5		Push Side	Coke Side	1	2	3	4	5
1	OOS							32								63							
2								33								64							
3								34								65							
4		X						35								66							
5								36	X							67							
6								37								68							
7								38								69							
8								39								70							
9								40	O	O	O	O	O	O	O	71							
10	X			X				41								72							
11								42	O	O	O	O	O	O	O	73							
12								43								74							
13		X						44								75							
14								45	X							76							
15								46								77							
16	X							47								78							
17								48								79							
18								49								80							
19								50								81							
20								51								82							
21								52								83							
22								53								84							
23								54	OOS							85							
24		X						55								86							
25	OOS							56								87							
26								57								88							
27								58								89							
28								59								90							
29	OOS							60								91							
30								61								92							
31								62								93							

Lids Traverse:

Start Time 1125Stop Time 1127Total Number of Ovens 52Maximum Time (sec) 228Actual Time 124Valid Run ☒ Y ☐ NOvens Out of Service 7

Offtakes Traverse:

Start Time 1119Stop Time 1124Maximum Time (sec) 298Actual Time 247Valid Run ☒ Y ☐ N

OFFTAKES		LIDS		Legend X = Leak OOS = Out-Of-Service O = Open
Total No. of Offtakes	<u>114</u>	Total No. of Lids	<u>228</u>	
No. of Offtakes Not Observed	<u>4</u>	No. of Lids Not Observed	<u>8</u>	
Total No. of Offtakes Observed	<u>96</u>	Total No. of Lids Observed	<u>192</u>	
No. of Offtakes Leaking	<u>7</u>	No. of Lids Leaking	<u>1</u>	

Comments: \_\_\_\_\_



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### INSPECTION SUMMARY

DATE 9-2-08

INSPECTOR CSnell

SHIFT CJA

PLANT: CITIZENS GAS (Indianapolis) ☐ MITTAL (Burns Harbor) ☐

US STEEL (Gary) ☒

BATTERY NO.: 1 ☐ 2 ☒ 3 ☐ 4 ☐ 5 ☐ 6 ☐ 7 ☐ 8 ☐ 9 ☐ 10 ☐ 11 ☐ 12 ☐ 13 ☐ 14 ☐ 15 ☐ 16 ☐ 17 ☐ 18 ☐ 19 ☐ 20 ☐ 21 ☐ 22 ☐ 23 ☐ 24 ☐ 25 ☐ 26 ☐ 27 ☐ 28 ☐ 29 ☐ 30 ☐ 31 ☐ 32 ☐ 33 ☐ 34 ☐ 35 ☐ 36 ☐ 37 ☐ 38 ☐ 39 ☐ 40 ☐ 41 ☐ 42 ☐ 43 ☐ 44 ☐ 45 ☐ 46 ☐ 47 ☐ 48 ☐ 49 ☐ 50 ☐ 51 ☐ 52 ☐ 53 ☐ 54 ☐ 55 ☐ 56 ☐ 57 ☐ 58 ☐ 59 ☐ 60 ☐ 61 ☐ 62 ☐ 63 ☐ 64 ☐ 65 ☐ 66 ☐ 67 ☐ 68 ☐ 69 ☐ 70 ☐ 71 ☐ 72 ☐ 73 ☐ 74 ☐ 75 ☐ 76 ☐ 77 ☐ 78 ☐ 79 ☐ 80 ☐ 81 ☐ 82 ☐ 83 ☐ 84 ☐ 85 ☐ 86 ☐ 87 ☐ 88 ☐ 89 ☐ 90 ☐ 91 ☐ 92 ☐ 93 ☐ 94 ☐ 95 ☐ 96 ☐ 97 ☐ 98 ☐ 99 ☐ 100 ☐ 101 ☐ 102 ☐ 103 ☐ 104 ☐ 105 ☐ 106 ☐ 107 ☐ 108 ☐ 109 ☐ 110 ☐ 111 ☐ 112 ☐ 113 ☐ 114 ☐ 115 ☐ 116 ☐ 117 ☐ 118 ☐ 119 ☐ 120 ☐ 121 ☐ 122 ☐ 123 ☐ 124 ☐ 125 ☐ 126 ☐ 127 ☐ 128 ☐ 129 ☐ 130 ☐ 131 ☐ 132 ☐ 133 ☐ 134 ☐ 135 ☐ 136 ☐ 137 ☐ 138 ☐ 139 ☐ 140 ☐ 141 ☐ 142 ☐ 143 ☐ 144 ☐ 145 ☐ 146 ☐ 147 ☐ 148 ☐ 149 ☐ 150 ☐ 151 ☐ 152 ☐ 153 ☐ 154 ☐ 155 ☐ 156 ☐ 157 ☐ 158 ☐ 159 ☐ 160 ☐ 161 ☐ 162 ☐ 163 ☐ 164 ☐ 165 ☐ 166 ☐ 167 ☐ 168 ☐ 169 ☐ 170 ☐ 171 ☐ 172 ☐ 173 ☐ 174 ☐ 175 ☐ 176 ☐ 177 ☐ 178 ☐ 179 ☐ 180 ☐ 181 ☐ 182 ☐ 183 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1157 ☐ 1158 ☐ 1159 ☐ 1160 ☐ 1161 ☐ 1162 ☐ 1163 ☐ 1164 ☐ 1165 ☐ 1166 ☐ 1167 ☐ 1168 ☐ 1169 ☐ 1170 ☐ 1171 ☐ 1172 ☐ 1173 ☐ 1174 ☐ 1175 ☐ 1176 ☐ 1177 ☐ 1178 ☐ 1179 ☐ 1180 ☐ 1181 ☐ 1182 ☐ 1183 ☐ 1184 ☐ 1185 ☐ 1186 ☐ 1187


**KERAMIDA**

 ENVIRONMENT • HEALTH • SAFETY  
 AIR • LAND • WATER • WASTE

**TOPSIDE INSPECTION (LIDS & OFFTAKES)**

 DATE 9-2-08

 INSPECTOR C. Swallow

 PLANT: CITIZENS GAS (Indianapolis) ☐

 MITTAL (Burns Harbor) ☐

 US STEEL (Gary) ☒

BATTERY NO.:

 1 ☐

 2 ☒

 5 ☐

 7 ☐

 E ☐

 H ☐

Oven No.	OFFTAKES		LIDS					Oven No.	OFFTAKES		LIDS					Oven No.	OFFTAKES		LIDS				
	Push Side	Coke Side	1	2	3	4	5		Push Side	Coke Side	1	2	3	4	5		Push Side	Coke Side	1	2	3	4	5
1	OOS							32								63							
2								33								64							
3								34					X			65							
4		X						35								66							
5								36	O	O	-	O	O	-		67							
6								37								68							
7								38	O	O	-	-	-	-		69							
8								39								70							
9								40	O	O	-	-	-	-		71							
10								41								72							
11		X						42	O	O	-	-	-	-		73							
12								43								74							
13								44	O	O	-	-	-	-		75							
14								45	X							76							
15								46	O	O	-	-	-	-		77							
16								47								78							
17								48								79							
18								49								80							
19								50								81							
20	X	X						51								82							
21								52								83							
22								53								84							
23								54	OOS							85							
24								55								86							
25	OOS							56								87							
26								57								88							
27								58								89							
28								59								90							
29	OOS							60								91							
30	X							61								92							
31								62								93							

Lids Traverse:

 Start Time 2038

 Stop Time 2041

 Total Number of Ovens 57

 Maximum Time (sec) 238

 Actual Time 123

 Valid Run ☒ Y ☐ N

 Ovens Out of Service 2

Offtakes Traverse:

 Start Time 2036

 Stop Time 2038

 Maximum Time (sec) 258

 Actual Time 152

 Valid Run ☒ Y ☐ N

OFFTAKES		LIDS		Legend	
Total No. of Offtakes	<u>114</u>	Total No. of Lids	<u>228</u>	X = Leak	
No. of Offtakes Not Observed	<u>12</u>	No. of Lids Not Observed	<u>24</u>	OOS = Out-Of-Service	
Total No. of Offtakes Observed	<u>88</u>	Total No. of Lids Observed	<u>176</u>	O = Open	
No. of Offtakes Leaking	<u>6</u>	No. of Lids Leaking	<u>1</u>		

Comments:

US Steel-Gary Works  
 Gary, Indiana  
 Permit Reviewer: Gail McGarrity

T089-7663-00121

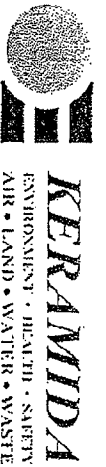
<b>Permit Requirement</b> (specify permit condition #) D.2.4(e)(1) and D.2.5(c)	
<b>Date of Deviation:</b> 9/4/08	<b>Duration of Deviation:</b> Not applicable
<b>Number of Deviations:</b> 1	
<b>Probable Cause of Deviation:</b> 5 offtake leaks out of 90 observed #2 BATTERY 303 Inpt 5.6%	
<b>Response Steps Taken:</b> Patch and seal leaks on the leaking offtakes	

<b>Permit Requirement</b> (specify permit condition #) D.2.4(e)(1) and D.2.5(c)	
<b>Date of Deviation:</b> 9/5/08	<b>Duration of Deviation:</b> Not applicable
<b>Number of Deviations:</b> 1	
<b>Probable Cause of Deviation:</b> 5 offtake leaks out of 90 observed #2 BATTERY 303 Inpt 5.6%	
<b>Response Steps Taken:</b> Patch and seal leaks on the leaking offtakes	

<b>Permit Requirement</b> (specify permit condition #) C.1(a) and D.2.5(i) (See Attachment 1)	
<b>Date of Deviation:</b>	<b>Duration of Deviation:</b>
<b>Number of Deviations:</b>	
<b>Probable Cause of Deviation:</b>	
<b>Response Steps Taken:</b>	

I certify that, based on information and belief formed after reasonable inquiry, the statements and information in this document is true, accurate and complete.

Form Completed By: Lawrence W. Sutherland  
 Title/Position: Division Manager, Coke Operations  
 Date: October 17, 2008  
 Phone: 219.888.4028



### INSPECTION SUMMARY

DATE 9-4-08 INSPECTOR Shelley SHIFT D

PLANT: CITIZENS GAS (Indianapolis) ☐ MITTAL (Burns Harbor) ☐ US STEEL (Gary) ☒  
 BATTERY NO.: 1 ☐ 2 ☒ 3 ☐ 4 ☐ 5 ☐ 6 ☐ 7 ☐ 8 ☐ 9 ☐ 10 ☐ 11 ☐ 12 ☐ 13 ☐ 14 ☐ 15 ☐ 16 ☐ 17 ☐ 18 ☐ 19 ☐ 20 ☐ 21 ☐ 22 ☐ 23 ☐ 24 ☐ 25 ☐ 26 ☐ 27 ☐ 28 ☐ 29 ☐ 30 ☐ 31 ☐ 32 ☐ 33 ☐ 34 ☐ 35 ☐ 36 ☐ 37 ☐ 38 ☐ 39 ☐ 40 ☐ 41 ☐ 42 ☐ 43 ☐ 44 ☐ 45 ☐ 46 ☐ 47 ☐ 48 ☐ 49 ☐ 50 ☐ 51 ☐ 52 ☐ 53 ☐ 54 ☐ 55 ☐ 56 ☐ 57 ☐ 58 ☐ 59 ☐ 60 ☐ 61 ☐ 62 ☐ 63 ☐ 64 ☐ 65 ☐ 66 ☐ 67 ☐ 68 ☐ 69 ☐ 70 ☐ 71 ☐ 72 ☐ 73 ☐ 74 ☐ 75 ☐ 76 ☐ 77 ☐ 78 ☐ 79 ☐ 80 ☐ 81 ☐ 82 ☐ 83 ☐ 84 ☐ 85 ☐ 86 ☐ 87 ☐ 88 ☐ 89 ☐ 90 ☐ 91 ☐ 92 ☐ 93 ☐ 94 ☐ 95 ☐ 96 ☐ 97 ☐ 98 ☐ 99 ☐ 100 ☐ 101 ☐ 102 ☐ 103 ☐ 104 ☐ 105 ☐ 106 ☐ 107 ☐ 108 ☐ 109 ☐ 110 ☐ 111 ☐ 112 ☐ 113 ☐ 114 ☐ 115 ☐ 116 ☐ 117 ☐ 118 ☐ 119 ☐ 120 ☐ 121 ☐ 122 ☐ 123 ☐ 124 ☐ 125 ☐ 126 ☐ 127 ☐ 128 ☐ 129 ☐ 130 ☐ 131 ☐ 132 ☐ 133 ☐ 134 ☐ 135 ☐ 136 ☐ 137 ☐ 138 ☐ 139 ☐ 140 ☐ 141 ☐ 142 ☐ 143 ☐ 144 ☐ 145 ☐ 146 ☐ 147 ☐ 148 ☐ 149 ☐ 150 ☐ 151 ☐ 152 ☐ 153 ☐ 154 ☐ 155 ☐ 156 ☐ 157 ☐ 158 ☐ 159 ☐ 160 ☐ 161 ☐ 162 ☐ 163 ☐ 164 ☐ 165 ☐ 166 ☐ 167 ☐ 168 ☐ 169 ☐ 170 ☐ 171 ☐ 172 ☐ 173 ☐ 174 ☐ 175 ☐ 176 ☐ 177 ☐ 178 ☐ 179 ☐ 180 ☐ 181 ☐ 182 ☐ 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516 ☐ 517 ☐ 518 ☐ 519 ☐ 520 ☐ 521 ☐ 522 ☐ 523 ☐ 524 ☐ 525 ☐ 526 ☐ 527 ☐ 528 ☐ 529 ☐ 530 ☐ 531 ☐ 532 ☐ 533 ☐ 534 ☐ 535 ☐ 536 ☐ 537 ☐ 538 ☐ 539 ☐ 540 ☐ 541 ☐ 542 ☐ 543 ☐ 544 ☐ 545 ☐ 546 ☐ 547 ☐ 548 ☐ 549 ☐ 550 ☐ 551 ☐ 552 ☐ 553 ☐ 554 ☐ 555 ☐ 556 ☐ 557 ☐ 558 ☐ 559 ☐ 560 ☐ 561 ☐ 562 ☐ 563 ☐ 564 ☐ 565 ☐ 566 ☐ 567 ☐ 568 ☐ 569 ☐ 570 ☐ 571 ☐ 572 ☐ 573 ☐ 574 ☐ 575 ☐ 576 ☐ 577 ☐ 578 ☐ 579 ☐ 580 ☐ 581 ☐ 582 ☐ 583 ☐ 584 ☐ 585 ☐ 586 ☐ 587 ☐ 588 ☐ 589 ☐ 590 ☐ 591 ☐ 592 ☐ 593 ☐ 594 ☐ 595 ☐ 596 ☐ 597 ☐ 598 ☐ 599 ☐ 600 ☐ 601 ☐ 602 ☐ 603 ☐ 604 ☐ 605 ☐ 606 ☐ 607 ☐ 608 ☐ 609 ☐ 610 ☐ 611 ☐ 612 ☐ 613 ☐ 614 ☐ 615 ☐ 616 ☐ 617 ☐ 618 ☐ 619 ☐ 620 ☐ 621 ☐ 622 ☐ 623 ☐ 624 ☐ 625 ☐ 626 ☐ 627 ☐ 628 ☐ 629 ☐ 630 ☐ 631 ☐ 632 ☐ 633 ☐ 634 ☐ 635 ☐ 636 ☐ 637 ☐ 638 ☐ 639 ☐ 640 ☐ 641 ☐ 642 ☐ 643 ☐ 644 ☐ 645 ☐ 646 ☐ 647 ☐ 648 ☐ 649 ☐ 650 ☐ 651 ☐ 652 ☐ 653 ☐ 654 ☐ 655 ☐ 656 ☐ 657 ☐ 658 ☐ 659 ☐ 660 ☐ 661 ☐ 662 ☐ 663 ☐ 664 ☐ 665 ☐ 666 ☐ 667 ☐ 668 ☐ 669 ☐ 670 ☐ 671 ☐ 672 ☐ 673 ☐ 674 ☐ 675 ☐ 676 ☐ 677 ☐ 678 ☐ 679 ☐ 680 ☐ 681 ☐ 682 ☐ 683 ☐ 684 ☐ 685 ☐ 686 ☐ 687 ☐ 688 ☐ 689 ☐ 690 ☐ 691 ☐ 692 ☐ 693 ☐ 694 ☐ 695 ☐ 696 ☐ 697 ☐ 698 ☐ 699 ☐ 700 ☐ 701 ☐ 702 ☐ 703 ☐ 704 ☐ 705 ☐ 706 ☐ 707 ☐ 708 ☐ 709 ☐ 710 ☐ 711 ☐ 712 ☐ 713 ☐ 714 ☐ 715 ☐ 716 ☐ 717 ☐ 718 ☐ 719 ☐ 720 ☐ 721 ☐ 722 ☐ 723 ☐ 724 ☐ 725 ☐ 726 ☐ 727 ☐ 728 ☐ 729 ☐ 730 ☐ 731 ☐ 732 ☐ 733 ☐ 734 ☐ 735 ☐ 736 ☐ 737 ☐ 738 ☐ 739 ☐ 740 ☐ 741 ☐ 742 ☐ 743 ☐ 744 ☐ 745 ☐ 746 ☐ 747 ☐ 748 ☐ 749 ☐ 750 ☐ 751 ☐ 752 ☐ 753 ☐ 754 ☐ 755 ☐ 756 ☐ 757 ☐ 758 ☐ 759 ☐ 760 ☐ 761 ☐ 762 ☐ 763 ☐ 764 ☐ 765 ☐ 766 ☐ 767 ☐ 768 ☐ 769 ☐ 770 ☐ 771 ☐ 772 ☐ 773 ☐ 774 ☐ 775 ☐ 776 ☐ 777 ☐ 778 ☐ 779 ☐ 780 ☐ 781 ☐ 782 ☐ 783 ☐ 784 ☐ 785 ☐ 786 ☐ 787 ☐ 788 ☐ 789 ☐ 790 ☐ 791 ☐ 792 ☐ 793 ☐ 794 ☐ 795 ☐ 796 ☐ 797 ☐ 798 ☐ 799 ☐ 800 ☐ 801 ☐ 802 ☐ 803 ☐ 804 ☐ 805 ☐ 806 ☐ 807 ☐ 808 ☐ 809 ☐ 810 ☐ 811 ☐ 812 ☐ 813 ☐ 814 ☐ 815 ☐ 816 ☐ 817 ☐ 818 ☐ 819 ☐ 820 ☐ 821 ☐ 822 ☐ 823 ☐ 824 ☐ 825 ☐ 826 ☐ 827 ☐ 828 ☐ 829 ☐ 830 ☐ 831 ☐ 832 ☐ 833 ☐ 834 ☐ 835 ☐ 836 ☐ 837 ☐ 838 ☐ 839 ☐ 840 ☐ 841 ☐ 842 ☐ 843 ☐ 844 ☐ 845 ☐ 846 ☐ 847 ☐ 848 ☐ 849 ☐ 850 ☐ 851 ☐ 852 ☐ 853 ☐ 854 ☐ 855 ☐ 856 ☐ 857 ☐ 858 ☐ 859 ☐ 860 ☐ 861 ☐ 862 ☐ 863 ☐ 864 ☐ 865 ☐ 866 ☐ 867 ☐ 868 ☐ 869 ☐ 870 ☐ 871 ☐ 872 ☐ 873 ☐ 874 ☐ 875 ☐ 876 ☐ 877 ☐ 878 ☐ 879 ☐ 880 ☐ 881 ☐ 882 ☐ 883 ☐ 884 ☐ 885 ☐ 886 ☐ 887 ☐ 888 ☐ 889 ☐ 890 ☐ 891 ☐ 892 ☐ 893 ☐ 894 ☐ 895 ☐ 896 ☐ 897 ☐ 898 ☐ 899 ☐ 900 ☐ 901 ☐ 902 ☐ 903 ☐ 904 ☐ 905 ☐ 906 ☐ 907 ☐ 908 ☐ 909 ☐ 910 ☐ 911 ☐ 912 ☐ 913 ☐ 914 ☐ 915 ☐ 916 ☐ 917 ☐ 918 ☐ 919 ☐ 920 ☐ 921 ☐ 922 ☐ 923 ☐ 924 ☐ 925 ☐ 926 ☐ 927 ☐ 928 ☐ 929 ☐ 930 ☐ 931 ☐ 932 ☐ 933 ☐ 934 ☐ 935 ☐ 936 ☐ 937 ☐ 938 ☐ 939 ☐ 940 ☐ 941 ☐ 942 ☐ 943 ☐ 944 ☐ 945 ☐ 946 ☐ 947 ☐ 948 ☐ 949 ☐ 950 ☐ 951 ☐ 952 ☐ 953 ☐ 954 ☐ 955 ☐ 956 ☐ 957 ☐ 958 ☐ 959 ☐ 960 ☐ 961 ☐ 962 ☐ 963 ☐ 964 ☐ 965 ☐ 966 ☐ 967 ☐ 968 ☐ 969 ☐ 970 ☐ 971 ☐ 972 ☐ 973 ☐ 974 ☐ 975 ☐ 976 ☐ 977 ☐ 978 ☐ 979 ☐ 980 ☐ 981 ☐ 982 ☐ 983 ☐ 984 ☐ 985 ☐ 986 ☐ 987 ☐ 988 ☐ 989 ☐ 990 ☐ 991 ☐ 992 ☐ 993 ☐ 994 ☐ 995 ☐ 996 ☐ 997 ☐ 998 ☐ 999 ☐ 1000 ☐ 1001 ☐ 1002 ☐ 1003 ☐ 1004 ☐ 1005 ☐ 1006 ☐ 1007 ☐ 1008 ☐ 1009 ☐ 1010 ☐ 1011 ☐ 1012 ☐ 1013 ☐ 1014 ☐ 1015 ☐ 1016 ☐ 1017 ☐ 1018 ☐ 1019 ☐ 1020 ☐ 1021 ☐ 1022 ☐ 1023 ☐ 1024 ☐ 1025 ☐ 1026 ☐ 1027 ☐ 1028 ☐ 1029 ☐ 1030 ☐ 1031 ☐ 1032 ☐ 1033 ☐ 1034 ☐ 1035 ☐ 1036 ☐ 1037 ☐ 1038 ☐ 1039 ☐ 1040 ☐ 1041 ☐ 1042 ☐ 1043 ☐ 1044 ☐ 1045 ☐ 1046 ☐ 1047 ☐ 1048 ☐ 1049 ☐ 1050 ☐ 1051 ☐ 1052 ☐ 1053 ☐ 1054 ☐ 1055 ☐ 1056 ☐ 1057 ☐ 1058 ☐ 1059 ☐ 1060 ☐ 1061 ☐ 1062 ☐ 1063 ☐ 1064 ☐ 1065 ☐ 1066 ☐ 1067 ☐ 1068 ☐ 1069 ☐ 1070 ☐ 1071 ☐ 1072 ☐ 1073 ☐ 1074 ☐ 1075 ☐ 1076 ☐ 1077 ☐ 1078 ☐ 1079 ☐ 1080 ☐ 1081 ☐ 1082 ☐ 1083 ☐ 1084 ☐ 1085 ☐ 1086 ☐ 1087 ☐ 1088 ☐ 1089 ☐ 1090 ☐ 1091 ☐ 1092 ☐ 1093 ☐ 1094 ☐ 1095 ☐ 1096 ☐ 1097 ☐ 1098 ☐ 1099 ☐ 1100 ☐ 1101 ☐ 1102 ☐ 1103 ☐ 1104 ☐ 1105 ☐ 1106 ☐ 1107 ☐ 1108 ☐ 1109 ☐ 1110 ☐ 1111 ☐ 1112 ☐ 1113 ☐ 1114 ☐ 1115 ☐ 1116 ☐ 1117 ☐ 1118 ☐ 1119 ☐ 1120 ☐ 1121 ☐ 1122 ☐ 1123 ☐ 1124 ☐ 1125 ☐ 1126 ☐ 1127 ☐ 1128 ☐ 1129 ☐ 1130 ☐ 1131 ☐ 1132 ☐ 1133 ☐ 1134 ☐ 1135 ☐ 1136 ☐ 1137 ☐ 1138 ☐ 1139 ☐ 1140 ☐ 1141 ☐ 1142 ☐ 1143 ☐ 1144 ☐ 1145 ☐ 1146 ☐ 1147 ☐ 1148 ☐ 1149 ☐ 1150 ☐ 1151 ☐ 1152 ☐ 1153 ☐ 1154 ☐ 1155 ☐ 1156 ☐ 1157 ☐ 1158 ☐ 1159 ☐ 1160 ☐ 1161 ☐ 1162 ☐ 1163 ☐ 1164 ☐ 1165 ☐ 1166 ☐ 1167 ☐ 1168 ☐ 1169 ☐ 1170 ☐ 1171 ☐ 1172 ☐ 1173 ☐ 1174 ☐ 1175 ☐ 1176 ☐ 1177 ☐ 1178 ☐ 1179 ☐ 1180 ☐ 1181 ☐ 1182 ☐ 1183 ☐ 1184 ☐ 1185 ☐ 1186 ☐ 1187 ☐ 1188 ☐ 1189 ☐ 1190 ☐ 1191 ☐ 1192 ☐ 1193 ☐ 1194 ☐ 1195 ☐ 1196 ☐ 1197 ☐ 1198 ☐ 1199 ☐ 1200 ☐ 1201 ☐ 1202 ☐ 1203 ☐ 12





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### TOPSIDE INSPECTION (LIDS & OFFTAKES)

DATE 9-4-08INSPECTOR C. ScellioPLANT: CITIZENS GAS (Indianapolis) ☐ MITTAL (Burns Harbor) ☐ US STEEL (Gary) ☒BATTERY NO.: 1 ☐ 2 ☒ 5 ☐ 7 ☐ E ☐ H ☐

Oven No.	OFFTAKES		LIDS					Oven No.	OFFTAKES		LIDS					Oven No.	OFFTAKES		LIDS				
	Push Side	Coke Side	1	2	3	4	5		Push Side	Coke Side	1	2	3	4	5		Push Side	Coke Side	1	2	3	4	5
1	OOS							32								63							
2								33								64							
3		X						34								65							
4		X						35								66							
5								36								67							
6								37								68							
7								38								69							
8								39								70							
9								40								71							
10								41								72							
11	O	O	-	O	-	O		42								73							
12								43								74							
13	O	O	-	O	O	-		44								75							
14								45								76							
15	O	O	-	-	-	-		46								77							
16	X							47								78							
17	O	O	-	-	-	-		48								79							
18								49								80							
19	O	O	-	-	-	-		50								81							
20								51								82							
21								52	X							83							
22								53								84							
23								54	OOS							85							
24								55								86							
25	OOS							56	X							87							
26								57								88							
27								58								89							
28								59								90							
29	OOS							60								91							
30								61								92							
31								62								93							

Lids Traverse:

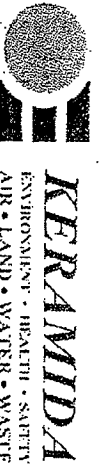
Start Time 849Stop Time 851Total Number of Ovens 37Maximum Time (sec) 228Actual Time 107Valid Run ☒ Y ☐ NOvens Out of Service 7

Offtakes Traverse:

Start Time 845Stop Time 848Maximum Time (sec) 278Actual Time 216Valid Run ☒ Y ☐ N

OFFTAKES		LIDS		Legend	
Total No. of Offtakes	<u>114</u>	Total No. of Lids	<u>228</u>	X = Leak	
No. of Offtakes Not Observed	<u>10</u>	No. of Lids Not Observed	<u>20</u>	OOS = Out-Of-Service	
Total No. of Offtakes Observed	<u>90</u>	Total No. of Lids Observed	<u>180</u>	O = Open	
No. of Offtakes Leaking	<u>5</u>	No. of Lids Leaking	<u>6</u>		

Comments: \_\_\_\_\_



## INSPECTION SUMMARY

DATE 9-5-08INSPECTOR C. WallaceSHIFT B

PLANT: CITIZENS GAS (Indianapolis)

☐ MITTAL (Burns Harbor)☐ US STEEL (Gary)☒BATTERY NO.: ☐ 1 ☐ 2 ☒ 3 ☐ 4 ☐ 5 ☐ 6 ☐ 7 ☐ 8 ☐ 9 ☐ 10 ☐ 11 ☐ 12 ☐ 13 ☐ 14 ☐ 15 ☐ 16 ☐ 17 ☐ 18 ☐ 19 ☐ 20 ☐ 21 ☐ 22 ☐ 23 ☐ 24 ☐ 25 ☐ 26 ☐ 27 ☐ 28 ☐ 29 ☐ 30 ☐ 31 ☐ 32 ☐ 33 ☐ 34 ☐ 35 ☐ 36 ☐ 37 ☐ 38 ☐ 39 ☐ 40 ☐ 41 ☐ 42 ☐ 43 ☐ 44 ☐ 45 ☐ 46 ☐ 47 ☐ 48 ☐ 49 ☐ 50 ☐ 51 ☐ 52 ☐ 53 ☐ 54 ☐ 55 ☐ 56 ☐ 57 ☐ 58 ☐ 59 ☐ 60 ☐ 61 ☐ 62 ☐ 63 ☐ 64 ☐ 65 ☐ 66 ☐ 67 ☐ 68 ☐ 69 ☐ 70 ☐ 71 ☐ 72 ☐ 73 ☐ 74 ☐ 75 ☐ 76 ☐ 77 ☐ 78 ☐ 79 ☐ 80 ☐ 81 ☐ 82 ☐ 83 ☐ 84 ☐ 85 ☐ 86 ☐ 87 ☐ 88 ☐ 89 ☐ 90 ☐ 91 ☐ 92 ☐ 93 ☐ 94 ☐ 95 ☐ 96 ☐ 97 ☐ 98 ☐ 99 ☐ 100

Inspection Times		Inspection Data		Percent Leakage Calculations	
Start	Finish				
<u>633</u>	<u>638</u>	# Ovens Out of Service = <u>3</u>	PS Doors Leaking = <u>0</u>	No. Door Leaks No. Doors Observed	<u>1.08</u> % Leakage Door Inspection Limit _____ % for 30 day rolling average PRELIM. COMPLIANCE STATUS: <input type="checkbox"/> IN <input type="checkbox"/> OUT
		# Doors Not Observed = <u>5</u>	CS Doors Leaking = <u>1</u>		
		Total # Doors Obs. = <u>93</u>	Total Leaking Doors = <u>1</u>		
		Total # Collector Main Leaks Observed = _____			
		# Ovens Out of Service = <u>3</u>	Total Leaking Lids = <u>0</u>	No. Lid Leaks No. Lids Observed	_____ x 100 = Percent Leakage Lid Inspection Limit _____ % for 30 day rolling average PRELIM. COMPLIANCE STATUS: <input type="checkbox"/> IN <input type="checkbox"/> OUT
		# Lids Not Observed = <u>16</u>			
<u>627</u>	<u>629</u>	# Lids Observed = <u>180</u>			
		# Ovens Out of Service = <u>8</u>	Total Leaking Offtakes = <u>5</u>	No. Offtake Leaks No. Offtakes Observed	_____ x 100 = Percent Leakage Offtake Inspection Limit _____ % for 30 day rolling average PRELIM. COMPLIANCE STATUS: <input type="checkbox"/> IN <input type="checkbox"/> OUT
		# Offtakes Not Observed = <u>8</u>			
<u>622</u>	<u>636</u>	# Offtakes Observed = <u>90</u>			
		Seconds Per Charge / Oven No.	Total Seconds for Five Charges = <u>78.5</u>	Charging Inspection Limit = 60 Second for five charges (Log for 30 day rolling average)	PRELIM. COMPLIANCE STATUS: <input type="checkbox"/> IN <input type="checkbox"/> OUT
<u>919</u>	<u>1047</u>	1. <u>17.5</u> / <u>16</u>			
		2. <u>10.0</u> / <u>18</u>			
		3. <u>13.0</u> / <u>30</u>			
		4. <u>21.5</u> / <u>32</u>			
		5. <u>16.5</u> / <u>34</u>			
		6. _____ / _____			



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### TOPSIDE INSPECTION (LIDS & OFFTAKES)

DATE 9-5-08INSPECTOR SwallowPLANT: CITIZENS GAS (Indianapolis) ☐ MITTAL (Burns Harbor) ☐ US STEEL (Gary) ☒BATTERY NO.: 1 ☐ 2 ☒ 5 ☐ 7 ☐ E ☐ H ☐

Oven No.	OFFTAKES		LIDS					Oven No.	OFFTAKES		LIDS					Oven No.	OFFTAKES		LIDS				
	Push Side	Coke Side	1	2	3	4	5		Push Side	Coke Side	1	2	3	4	5		Push Side	Coke Side	1	2	3	4	5
1	OOS							32	O	G						63							
2								33	X	G						64							
3		X						34								65							
4								35								66							
5								36								67							
6	O	O		O	O			37								68							
7								38								69							
8	O	O	O	O	O	O		39								70							
9	X	X						40								71							
10								41								72							
11								42								73							
12	O	O						43		X						74							
13								44								75							
14								45								76							
15								46								77							
16								47								78							
17								48								79							
18								49								80							
19								50								81							
20								51								82							
21	OOS							52								83							
22								53								84							
23								54	OOS							85							
24								55								86							
25	OOS							56								87							
26								57								88							
27								58								89							
28								59								90							
29	OOS							60								91							
30								61								92							
31								62								93							

Lids Traverse:

Start Time 627Stop Time 629Total Number of Ovens 52Maximum Time (sec) 228Actual Time 106Valid Run ☒ Y ☐ NOvens Out of Service 8

Offtakes Traverse:

Start Time 622Stop Time 626Maximum Time (sec) 278Actual Time 257Valid Run ☒ Y ☐ N

OFFTAKES		LIDS		Legend	
Total No. of Offtakes	<u>114</u>	Total No. of Lids	<u>228</u>	X = Leak	
No. of Offtakes Not Observed	<u>8</u>	No. of Lids Not Observed	<u>16</u>	OOS = Out-Of-Service	
Total No. of Offtakes Observed	<u>90</u>	Total No. of Lids Observed	<u>180</u>	O = Open	
No. of Offtakes Leaking	<u>5</u>	No. of Lids Leaking	<u>0</u>		

Comments: \_\_\_\_\_

US Steel-Gary Works  
 Gary, Indiana  
 Permit Reviewer: Gail McGarrity

T089-7663-00121

**INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT  
 OFFICE OF AIR QUALITY  
 COMPLIANCE DATA SECTION**

**PART 70 OPERATING PERMIT  
 QUARTERLY DEVIATION AND COMPLIANCE MONITORING REPORT**

Source Name: U.S. Steel – Gary Works  
 Source Address: One North Broadway, Gary, Indiana 46402  
 Mailing Address: One North Broadway, Gary, Indiana 46402  
 Part 70 Permit No.: T089-7663-00121

**Months:** October 1 to December 31 **Year:** 2008

Page 1 of 2

<p>This report shall be submitted quarterly based on a calendar year. Any deviation from the requirements, the date(s) of each deviation, the probable cause of the deviation, and the response steps taken must be reported. A deviation required to be reported pursuant to an applicable requirement that exists independent of the permit, shall be reported according to the schedule stated in the applicable requirement and does not need to be included in this report. Additional pages may be attached if necessary. If no deviations occurred, please specify in the box marked "No deviations occurred this reporting period".</p>	
<input type="checkbox"/> NO DEVIATIONS OCCURRED THIS REPORTING PERIOD.	
<input checked="" type="checkbox"/> THE FOLLOWING DEVIATIONS OCCURRED THIS REPORTING PERIOD.	
<b>Permit Requirement (specify permit condition #)</b> D.2.4(a), D.2.5(e)	
<b>Date of Deviation:</b> 12/20/08	<b>Duration of Deviation:</b> Not applicable
<b>Number of Deviations:</b> 1	<i>#5 Battery 303 Dept</i>
<b>Probable Cause of Deviation:</b> 17 Door leaks out of 142 observed	
<i>120<sup>th</sup></i>	
<b>Response Steps Taken:</b> Sealed leaks on the leaking doors	
<b>Permit Requirement (specify permit condition #)</b> C.1(a) and D.2.5(i) (See Attachment 1)	
<b>Date of Deviation:</b>	<b>Duration of Deviation:</b> Not applicable
<b>Number of Deviations:</b>	
<b>Probable Cause of Deviation:</b>	
<b>Response Steps Taken:</b>	



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### INSPECTION SUMMARY

DATE 12-30-08

INSPECTOR C. Sallie

SHIFT B

PLANT: CITIZENS GAS (Indianapolis) ☐ MITTAL (Burns Harbor) ☐

US STEEL (Gary) ☒

BATTERY NO.: 1 ☐ 2 ☐ 3 ☒ 4 ☐ 5 ☐ 6 ☐ 7 ☐ E ☐ H ☐

Inspection Times		Inspection Data		Percent Leakage Calculations	
Start	Finish			No. Door Leaks No. Doors Observed	$\times 100 =$ Percent Leakage
<u>9:30</u>	<u>9:05</u>	# Ovens Out of Service = <u>6</u>	PS Doors Leaking = <u>10</u>	<u>11.97</u> % Leakage	Door Inspection Limit _____ % for 30 day rolling average
		# Doors Not Observed = <u>0</u>	CS Doors Leaking = <u>7</u>	PRELIM. COMPLIANCE STATUS: <input type="checkbox"/> IN <input type="checkbox"/> OUT	
		Total # Doors Obs. = <u>143</u>	Total Leaking Doors = <u>17</u>		
		Total # Collector Main Leaks Observed = _____			
<u>10:30</u>	<u>10:33</u>	# Ovens Out of Service = <u>6</u>	Total Leaking Lids = <u>0</u>	<u>0</u> % Leakage	Lid Inspection Limit _____ % for 30 day rolling average
		# Lids Not Observed = <u>9</u>		PRELIM. COMPLIANCE STATUS: <input type="checkbox"/> IN <input type="checkbox"/> OUT	
		# Lids Observed = <u>204</u>			
<u>10:35</u>	<u>10:30</u>	# Ovens Out of Service = <u>6</u>	Total Leaking Offtakes = <u>1</u>	<u>0.74</u> % Leakage	Offtake Inspection Limit _____ % for 30 day rolling average
		# Offtakes Not Observed = <u>6</u>		PRELIM. COMPLIANCE STATUS: <input type="checkbox"/> IN <input type="checkbox"/> OUT	
		# Offtakes Observed = <u>136</u>			
<u>10:40</u>	<u>11:11</u>	Seconds Per Charge / Oven No. 1. <u>2.0</u> / <u>61</u> 2. <u>2.5</u> / <u>3</u> 3. <u>4.5</u> / <u>13</u> 4. <u>1.5</u> / <u>14</u> 5. <u>2.0</u> / <u>33</u>	Total Seconds for Five Charges = <u>19.5</u> 6. _____ / _____	Charging Inspection Limit = 60 Second for five charges (Log for 30 day rolling average)	PRELIM. COMPLIANCE STATUS: <input type="checkbox"/> IN <input type="checkbox"/> OUT



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# COKE OVEN DOOR EMISSIONS INSPECTION

DATE 12-20-03INSPECTOR Swalle

PLANT: CITIZENS GAS (Indianapolis)

☐ MITTAL (Burns Harbor)☐ US STEEL (Gary)

BATTERY NO.:

1 ☐2 ☐5 ☒7 ☐E ☐H ☐

Oven No.	Push Side	Coke Side
1		
2		
3		
4		
5		
6		
7		
8		
9		
10		
11		
12	X	
13		
14		
15		
16		
17		
18		
19		
20		
21		
22		X
23		
24		
25		
26		
27		
28		
29		
30		
31		

Oven No.	Push Side	Coke Side
32		
33		
34		
35		
36	OOS	-
37		-
38	OOS	-
39		
40	X	
41		
42		
43		
44		
45		
46		
47	X	
48		
49		
50	OOS	-
51	OOS	-
52	X	X
53		
54	X	X
55	X	X
56		
57		
58	OOS	-
59		
60	X	X
61		
62		

Oven No.	Push Side	Coke Side
63		
64		
65	X	
66		
67		
68		
69		
70	X	X
71		
72		
73		
74		
75	X	X
76		
77		
78		
79		
80		
81		
82		
83		
84		
85		
86		
87		
88		
89		
90		
91		
92		
93		

Push Side Traverse:

Start Time 856Stop Time 857Maximum Time (sec) 408Actual Time 87Valid Run ☒ Y ☐ N

Coke Side Traverse:

Start Time 903Stop Time 905Maximum Time (sec) 373Actual Time 113Valid Run ☒ Y ☐ NTotal Number of Ovens 77Ovens Out of Service 6Total Number of Doors 154Number of Doors Not Observed 0Total Number of Doors Observed 154

Back Pressure:

CW 455 PW 446

CC 611 PW 593

## Legend

X = Leak

OOS = Out-Of-Service

BL = Blocked

O = Off

## Summary

Push Side Door Leaks 10Coke Side Doors Leaks 7

Comments:

**IDEM AIR COMPLIANCE BRANCH HIGH PRIORITY VIOLATION CHECKSHEET**

Deliberative-Not for Public View per IC 5-14-3-4(b) (6)

*Directions: Please complete the gray portions for any violation. Then complete Sections B, C, D if "yes" to Section A.1 or Section A.2.*

<b>Source and Permit ID #</b> US Steel 089-00121		<b>Source Name</b> US Steel Gary Works	<b>Inspector Name</b> Dave Sampias	
<b>Date of Violation</b> 3 <sup>rd</sup> & 4 <sup>th</sup> Qtr 2008	<b>Date violation was discovered</b> 3 <sup>rd</sup> & 4 <sup>th</sup> Qtr 2008	<b>How discovered</b> (Select One) Record Review		
<b>Section A.</b>			<b>YES</b>	<b>NO</b>
A1. (a.) Did this violation occur at a major CAA source (Title V source)?			<input checked="" type="checkbox"/>	<input type="checkbox"/>
(b.) Did this violation relate to a pollutant for which this source is major?			<input checked="" type="checkbox"/>	<input type="checkbox"/>
A2. (a.) Did this violation occur at a synthetic minor (FESOP or SSOA)?			<input type="checkbox"/>	<input type="checkbox"/>
(b.) Did this violation affect the synthetic minor's status as a minor?			<input type="checkbox"/>	<input type="checkbox"/>
<b>Directions:</b> If "Yes" to Section A1.(a.) and A1.(b.) <u>move on to Section B General Criteria below or;</u> If "Yes" to Section A2.(a.) and A2.(b.), <u>move on to Section B General Criteria below.</u>  <u>If "No" to both Section A1 and Section A2 this is not a High Priority Violation. STOP at this point!</u> (Note: But if you wish to make an argument for a special case HPV, you may move down to Section D)				
<b>Section B: General Criteria</b>			<b>YES</b>	<b>NO</b>
B1. Did the source fail to obtain PSD permit (and/or to install BACT), an NSR permit (and/or install LAER/ obtain offsets) and/or major permit modification?			<input type="checkbox"/>	<input checked="" type="checkbox"/>
B2. Was this a violation of air toxics requirement (NESHAP, MACT) that resulted in excess emissions or violated an operating parameter restriction?			<input checked="" type="checkbox"/>	<input type="checkbox"/>
B3. Did this violation affect the synthetic minor source's PSD, NSR or Title V status? (i.e. Failed to comply with permit that limits PTE? Explain in notes in Section E.)			<input type="checkbox"/>	<input checked="" type="checkbox"/>
B4. Was this a violation of a substantive term of local, state or federal enforcement order or decree?			<input type="checkbox"/>	<input type="checkbox"/>
B5. Was this a substantial violation of a Title V Annual Compliance Certification? (i.e. Failed to submit a certification?)			<input type="checkbox"/>	<input checked="" type="checkbox"/>
B6. Did the source fail to submit a Title V permit application?			<input type="checkbox"/>	<input checked="" type="checkbox"/>
B7. Was this a violation of testing, monitoring, recordkeeping, or reporting that substantially interfered with enforcement of determining the source's compliance with an applicable emission limit?			<input type="checkbox"/>	<input checked="" type="checkbox"/>
B8. Was this a violation of an allowable emission limit during a stack test? (i.e. Failed by any margin?)			<input type="checkbox"/>	<input checked="" type="checkbox"/>
B9. Was this a violation by a chronic or recalcitrant violator?			<input checked="" type="checkbox"/>	<input type="checkbox"/>
B10. Was this a substantial violation of section 112(r)? (i.e. Failed to submit a Risk Management Plan?)			<input type="checkbox"/>	<input checked="" type="checkbox"/>
<b>Directions:</b> If "Yes" to Section A1.(a) and A1.(b) or "yes" to Section A2.(a) and A2.(b) AND any one of the ten General Criteria in Section B(above), <u>this violation qualifies as a HPV and must be reported.</u> ( Now skip to Section E.)  If none of the choices in Section B General Criteria apply, <u>complete Section C on page two (over).</u>				

**Page Two IDEM AIR COMPLIANCE BRANCH HIGH PRIORITY VIOLATION CHECKSHEET**
**Section C. Matrix Criteria**

<b>Violation</b>	<b>Method of Detection</b>	<b>Standard</b>	<b>Supplemental Significant Threshold<sup>1</sup></b>	<b>% in Excess of Reference Limit/Parameter</b>	<b>YES</b>	<b>NO</b>
<b>C1.</b> Was this a violation of Allowable Emissions Limitations?	Stack Testing	Any applicable requirement		Any violation of the applicable standard	<input type="checkbox"/>	<input checked="" type="checkbox"/>
	Coatings analysis, fuel samples, other process materials sampling or raw/process materials usage reports.	Any applicable requirement	CO 23 lb/hr NO <sub>x</sub> 9 lb/hr SO <sub>2</sub> 9 lb/hr VOC 9 lb/hr PM 6 lb/hr PM <sub>10</sub> 3 lb/hr	>15% of the applicable emission limitation or the supplemental significant threshold (Whichever is more stringent.)	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<b>C2.</b> Was this a violation of parameter limits where the parameter is a direct surrogate for an emissions limitation?	Continuous/ Periodic Parameter Monitoring (includes indicators of control device performance)	Any applicable requirement		>5% of the applicable parameter limit <sup>3</sup>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<b>C3.</b> Was this a violation of an applicable non-opacity Standard?	Continuous Emissions Monitoring (where the CEM is certified under federal performance specifications.	≤24 hour averaging period (for example, one hour or three hour blocks)	CO 23 lb/hr NO <sub>x</sub> 9 lb/hr SO <sub>2</sub> 9 lb/hr VOC 9 lb/hr	15% of the applicable standard or, the supplemental significant threshold (whichever is the more stringent)	<input type="checkbox"/>	<input checked="" type="checkbox"/>
	Continuous Emissions Monitoring (where the CEM is certified under federal performance specifications	>24 hr averaging period		Any violation of the applicable standard	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<b>C4.</b> Was this a violation of an applicable opacity standard? <sup>2</sup>	Continuous Opacity Monitoring	0-20% opacity >20% opacity		>5% opacity over the limit >10% opacity over the limit	<input type="checkbox"/>	<input checked="" type="checkbox"/>
	Method 9 VE Readings	0-20% opacity		>50% over the limit	<input type="checkbox"/>	<input checked="" type="checkbox"/>
		> 20% opacity		>25% over the limit	<input type="checkbox"/>	<input checked="" type="checkbox"/>

**Table Footnotes:**

1. Supplemental Significant Threshold is based on PSD significant levels. The Significant Threshold value is the lb/hr rate at 8760 hours which would result in PSD review.
2. Based on the applicable averaging period (e.g. 6-minute block averages)
3. For the first reporting period. If exceedances occur for more than 25% of the operating time during the first reporting period evaluated, and if such exceedance continues during the subsequent consecutive reporting period, the exceedances will be considered.

**Directions:**

If "yes" to Section A1.(a) and A1.(b) or "yes" to Section A2.(a) and A2.(b) AND any one of the criteria in Section C (above), this violation qualifies as a HPV and must be reported. Now move on to Section E.

If "no" to choices in Section A and Section B or Section A and Section C, you may select Section D.



**Page Three IDEM AIR COMPLIANCE BRANCH HIGH PRIORITY VIOLATION CHECKSHEET****Section D. Discretionary HPV:****YES****NO****1. Should this violation be on the HPVL based on other factors? If Yes, complete D.2.**

**2. Provide justification for the discretionary recommendation to include violations as HPV if not listed previously in Section B or Section C. Include duration, magnitude, environmental, or human health impact of the violation(s).**

**Section E Summary: Is this violation a High Priority Violation?****YES****NO**

*Are any questions in Section A and Section B, Section C or Section D answered "Yes"?*

*If "Yes" to the question above the violation is a HPV.*

*If "No" to the question above the violation is not a HPV.*



**Additional Comments:**